

COMPUTING RESEARCH NEWS



Computing Research Association
Uniting Industry, Academia and Government to
Advance Computing Research and Change the World.

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CRN At-A-Glance

CRA Conference at Snowbird Preliminary Agenda

A major focus of the conference will be the opportunities and responsibilities of computing research to increase the social good. Plenary sessions will feature former CRA board member Margaret Martonosi, incoming NSF CISE AD, a discussion on CRA strategic planning, and a view into computing and Washington from Peter Harsha, CRA's Director of Government Affairs. The meeting will also include short after-dinner talks on computing research futures organized by the Computing Community Consortium.

See page 2 for full article.

2020 Outstanding Undergraduate Researcher Award Recipients

Congratulations to the recipients of the 2020 **Outstanding Undergraduate Researcher Award**. This year's nominees are a very impressive group. A number of them were commended for making significant contributions to more than one research project, several are authors or coauthors on multiple papers, others have made presentations at major conferences, and some have produced software artifacts that were in widespread use.

See page 4 for full article.

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2020 CRA Conference at Snowbird Preliminary Agenda



CRA Conference at Snowbird 2018 Preliminary Program

TUESDAY, JULY 21

3:00 – 5:45 pm New Chairs Workshop

This workshop will give new CS department chairs some of the skills needed to lead their organizations and work with deans, provosts, and advisory boards – the stuff they never told you in graduate school.

6:00 – 7:00 pm Welcome Reception

7:00 – 9:00 pm Dinner/Awards/Plenary Session

WEDNESDAY, JULY 22

8:30 am – 10:00 am Plenary Session

10:30 am – noon Parallel Tracks

Noon – 1:30 pm Lunch

1:30 – 3:00 pm Parallel Tracks

3:30 – 5:00 pm Networking Activities

6:30 – 9:00 pm Dinner

After dinner research talks – organized by the Computing Community Consortium

Chair: Elizabeth Bradley, University of Colorado, Boulder (incoming CCC Chair)

Speakers: Toddy Hylton, University of California, San Diego and Melanie Mitchell, Portland State University

THURSDAY, JULY 23

8:30 – 10:00 am Plenary Session

10:30 – Noon Parallel Tracks

Noon – 1:30 pm Lunch

1:30 – 3:00 pm Parallel Tracks

3:30 – 5:00 pm Making a Federal Case for Computing

6:30 pm Dinner

The biennial CRA Conference at Snowbird is the flagship invitation-only conference for the leadership of the North American computing research community.

The conference site: The Snowbird Resort is located in the Wasatch Mountains about 30 miles from Salt Lake City. A top-rated ski resort in the winter, off-season at Snowbird offers hiking amidst beautiful scenery.

This year at the conference:

The 2020 CRA Conference at Snowbird is co-chaired by Penny Rheingans, University of Maine, and Jaime Teevan, Microsoft.

A major focus of the conference will be the opportunities and responsibilities of computing research to increase the social good. Plenary sessions will feature former CRA board member Margaret Martonosi, incoming NSF CISE AD, a discussion on CRA strategic planning, and a view into computing and Washington from Peter Harsha, CRA's Director of Government Affairs. The meeting will also include short after-dinner talks on computing research futures organized by the Computing Community Consortium.

A preliminary program is below. It will be updated on the CRA website as additional information becomes available. During the meeting, there will also be several hours of free time for networking, mingling, hiking, or hanging out and enjoying the gorgeous environment.

Registration will open on the CRA website in April 2020.

Snowbird Preliminary Agenda *(continued)*

PARALLEL SESSION TOPICS

Departmental Broadening Participation in Computing Plans

- Chair: Nancy Amato, University of Illinois

Incorporating Ethics into Computer Science Education

- Co-chairs: Jenn Beard, Mozilla, Kathy Pham, Mozilla, and Bobby Schnabel, University of Colorado

Computer Science Research in Industry

- Chair: Jaime Teevan, Microsoft

Earth Day at Snowbird: Computing to address grand challenges facing our changing planet

- Co-chairs: Kate Larson, University of Waterloo and Shashi Shekhar, University of Minnesota

Development of Teaching Faculty

- Chair: Ran Libeskind-Hadas, Harvey Mudd College

Security and Privacy Education

- Chair: Lorrie Cranor, Carnegie Mellon University

Industry/Academia Partnerships

- Chair: Divesh Srivastava, AT&T

From Fairness to Responsibility: Actioning and advancing the discussion around “algorithmic bias”

- Chair: Brent Hecht, Microsoft

Undergraduate Research and Booming Enrollments: Who Wins?

- Chair: Lori Pollock, University of Delaware

Data Science on Computer Science Education

- Chair: David Ebert, Purdue University

Techlash in Context: What should CS departments do?

- Chair: Vivek Sarkar, Georgia Tech

Allyship: Fostering inclusion from academia to industry

- Chair: Patrick Pantel, Facebook

2020 CONFERENCE AT SNOWBIRD

ORGANIZING COMMITTEE:

- Penny Rheingans
(University of Maine) Co-Chair
- Jaime Teevan
(Microsoft) Co-Chair
- James Allan
(University of Massachusetts, Amherst)
- Christine Alvarado
(University of California, San Diego)
- Lorrie Cranor
(Carnegie Mellon University)
- Kate Larson
(University of Waterloo)
- Ran Libeskind-Hadas
(Harvey Mudd College)
- Patrick Pantel
(Facebook)
- Divesh Srivastava
(AT&T)

NEW DEPARTMENT CHAIRS WORKSHOP

- Susanne Hambrusch
(Purdue University)
Co-Chair
- Rachel Pottinger
(University of British Columbia)
Co-Chair

2020 Outstanding Undergraduate Researcher Award Recipients



CRA-E

Computing Research Association
Education

Congratulations to the recipients of the 2020 Outstanding Undergraduate Researcher Award. This year's nominees are a very impressive group. A number of them were commended for making significant contributions to more than one research project, several are authors or coauthors on multiple papers, others have made presentations at major conferences, and some have produced software artifacts that were in widespread use.

Many of the nominees had been involved in successful summer research or internship programs, many had been teaching assistants, tutors, or mentors, and a number had significant involvement in community volunteer efforts.

CRA gratefully acknowledges the support of **Microsoft Research** and **Mitsubishi Electric Research Labs (MERL)**, which sponsor the Outstanding Undergraduate Researcher Award program in alternate years. MERL is the sponsor of this year's awards.

2020 Selection Committee: Cristina Nita-Rotaru (Northeastern) co-Chair, Ran Libeskind-Hadas (Harvey Mudd College) co-Chair, Kevin Gimpel (TTI), Elena Grigorescu (Purdue University), Dan Grossman (University of Washington), Michael Hilton (CMU), Reid Holmes (UBC), Ranjitha Kumar (UIUC), Neil Spring (University of Maryland), and Audrey St. John (Mount Holyoke College)

Thank you to those who volunteered their time to serve on the selection committee for this award.

A list of the winners, runners-up, finalists, and honorable mentions is below.

Awardees



Meena Jagadeesan

Harvard University

Meena Jagadeesan is a senior computer science major at Harvard University. Her broad research interests span theoretical computer science, machine learning, the intersection of computer science and economics, and discrete mathematics. Her solo-authored paper at NeurIPS 2019 (invited for oral presentation) addresses a fundamental problem in dimensionality reduction. Another solo-authored paper at RANDOM 2019 addresses a problem motivated by information compression in the brain. Yet another project explored a market design tool called preference signaling. This work resulted in a co-authored paper in WINE 2018 with co-Awardee Alex Wei. In addition, Meena has worked on several problems in number theory and algebra that resulted in two additional publications. She has served as a teaching fellow for the undergraduate systems course at Harvard and a referee for the Journal of Artificial Intelligence Research (JAIR).

Xiang (Lisa) Li is a senior at Johns Hopkins University where she is double majoring in computer science as well as applied mathematics and statistics. Lisa's research is at the intersection of machine learning and natural language processing. Lisa took a leading role, and was first author, on two major projects that involved both mathematical and experimental work. Her research on probabilistic modeling of punctuation in written languages appeared in the TACL journal in 2019. Her research on learning task-specific representations of words in context appeared at EMNLP-IJCNLP 2019, where it won the Best Paper Award. Lisa has served as a teaching assistant for a total of six offerings of the introduction to probability and natural language processing courses at Hopkins.



Xiang (Lisa) Li

Johns Hopkins University



Award Recipients *(continued)*



Kimberly Ruth

University of Washington

Kimberly Ruth is a senior at the University of Washington where she is completing majors in computer engineering and mathematics. Kimberly has been working in the area of computer security for augmented reality (AR) platforms since her first year in college. In one project, she contributed to the development of an AR operating system that can protect against malicious applications. In a second project, Kimberly performed a comprehensive user study on AR security. These projects led to two papers at the IEEE Symposium on Security and Privacy in 2017 and 2018. Kimberly led a third study on security issues related to multi-user AR applications which resulted in a first-authored paper at USENIX 2019. Kimberly has engaged in numerous peer mentoring and outreach activities at the University of Washington and in her community.

Alex Wei is a senior at Harvard University majoring in computer science and mathematics. His work on the approximate near neighbor problem resulted in the discovery of a new Las Vegas data structure. This work led to a solo-authored paper at SODA 2019 which received the best student paper award. Alex has also worked in the area of mechanism design, resulting in a co-authored paper on auditing mechanisms for utility maximization at EC 2019. Another research project on preference signaling, co-authored with co-Awardee Meena Jagadeesan, resulted in a paper at WINE 2018. Alex has also served as a teaching fellow for the data structures and algorithms course at Harvard where he was recognized for his teaching by the Derek Bok Center.



Alex Wei

Harvard University

Runners-Up



Sweta Karlekar

*University of North Carolina
at Chapel Hill*

Sweta Karlekar is a senior at the University of North Carolina at Chapel Hill where she is majoring in computer science with a minor in entrepreneurship. She works in the areas of natural language processing and machine learning. She has published three papers in NAACL 2018, WinLP 2018, and EMNLP 2018. In her first project, she worked on automatically detecting signs of Alzheimer's Disease through language and identifying these linguistic characteristics by visualizing various neural models. In a second project, she used visualization techniques to understand linguistic characteristics and recurring salient themes to bring a data-driven approach to treating victims of domestic abuse.



Award Recipients *(continued)*

Charles Marx is a senior at Haverford College where he is completing a double major in computer science and mathematics with a minor in statistics. His research interests are in the area of machine learning. His work resulted in a first-authored publication in NeurIPS 2019, one in a NeurIPS workshop in 2019, and two journal articles. In one project, he applied disentangled representations to determine the impact of a feature on the model using the notion of indirect influence. In another project, he showed that real-world datasets exhibit a surprising degree of predictive multiplicity, an effect where there exist competing models with conflicting predictions for a given dataset. His research suggests that predictive multiplicity should be measured and reported together with testing error.



Charles Marx
Haverford College



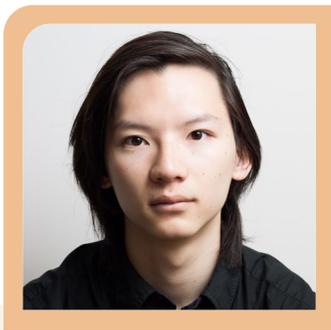
Laura Petrich is a senior in computer science at the University of Alberta. She works in the area of human assistance robotics and her research resulted in three papers at IEEE ICRA. In her first project, Laura worked on Visual Servoing, a vision-guided motion control system for a robotic arm where a human user defines tasks by visually pointing to objects instead of programming motion coordinates. In a second project, she created and conducted a robotics experiment where both a human and a robot grasp and manipulate everyday kitchen objects. Laura also serves as a volunteer helping first year CS students at her university as well as teaching K-12 students. She is a single mother of two elementary school children.

Laura Petrich
University of Alberta

Weiyang (Frank) Wang is a senior at the University of California, San Diego where he is majoring in computer science and physics. Frank works in the area of computer networks with a focus on architectures for modern data centers. One new design for data centers relies on an optical circuit switch that restricts the ports that can be connected at a given time. Frank studies how protocols like TCP behave in such networks and has developed mathematical models and closed-form solutions for their dynamics. He is a co-author on an NSDI 2020 publication and made significant contributions to other projects.



Weiyang (Frank) Wang
University of California, San Diego



Tianyi Zhang is a senior in computer science at Cornell University. He works at the intersection of machine learning and natural language processing. His work to date has resulted in three publications, two in ICML 2019 and one in a NeurIPS2019 Workshop. In his first project, focused on Graph Convolutional Neural Networks (GCN), Tianyi demonstrated that there are simple linear alternatives to GCNs through theoretical analysis and experimental evaluation. In another project, he explored the limits of low-precision arithmetic for machine learning training. Tianyi is a co-author of QPyTorch, a framework for simulating low-precision deep learning training which has been released as open source software.

Tianyi Zhang
Cornell University



Award Recipients *(continued)*

Finalists

Zaina Aljallad – University of
Central Florida

Sara Boyd – Southwestern University

Jeffrey Champion – Northeastern
University

Valerie Chen – Yale University

Demi Guo – Harvard University

Han Guo – University of North
Carolina at Chapel Hill

Kyle Hsu – University of Toronto

Qian Huang – Cornell University

Yijun (Katie) Kang – University of
California, Berkeley

Rohith Kuditipudi – Duke University

Jane Lange – Stanford University

Ivy (Nuo) Liu – Harvey Mudd College

Andrei Lupu – McGill University

Russell Mendonca – University of
California, Berkeley

Sachit Menon – Duke University

Ashlee Milton – Boise State University

Parker Ruth – University of Washington

Samuel E. Shaw – Tufts University

Laura Smith – University of
California, Berkeley

Caroline Wang – Duke University

Prince Wang – University of
California, Santa Barbara

Biao Xie – University of
Massachusetts, Boston

Jiayi (Eris) Zhang – University of Toronto

Honorable Mentions

Vinayak Ahluwalia – University of Michigan

Sadie Allen – Boston University

Rebecca Barber – Princeton University

Daniel Bashir – Harvey Mudd College

Deniz Bayazit – Brown University

Virginia Berry – University of Virginia

Joseph Briones – Arizona State University

Jonathan Ho-Wing Chan – University of
British Columbia

Aleesha Chavez – Northwest
Nazarene University

Jack Chen – Portland State University

Naitong Chen – University of
British Columbia

Supawit Chockchawat – The University
of Texas at Austin

Bennett Cooper – Clemson University

David Cui – University of Toronto

Hunter Damron – University of
South Carolina

Shrey Desai – The University of
Texas at Austin

Lalita Devadas – Columbia University

Yafah Edelman – Princeton University

Brandon Edwards – University of Guelph

Dave Epstein – Columbia University

Drew Erikson – University of Minnesota

Houtan Faridi – University of Houston

Steven Feng – University of Waterloo

Kexin Feng – Texas A&M University

Rigel Galgana – Brown University

Sayan Ghosh – University of Michigan

Grace Guan – Princeton University

Benton Guess – Texas A&M University

Jenna Hammond – Mount Holyoke College

Jessy (Xinyi) Han – Columbia University

Amel Hassan – Tufts University

Horace He – Cornell University

Christian Hill – University of
Colorado, Boulder

Darryl Ho – Massachusetts Institute
of Technology

Michael Huang – Cornell University

Samantha Hughes – Creighton University

Isay Katsman – Cornell University

Mohammad Kayali – University
of Washington

Arjun Keerthi – Vanderbilt University

Mark Keller – University of Maryland

Seo Young Kim – Purdue University

Oliver Korten – Tufts University

Nishanth Kumar – Brown University

Ulyana Kurylo – Northwestern University

Grete Kytt – Pomona College



Award Recipients *(continued)*

Janaan Lake - University of Utah	Damini Rijhwani - Purdue University	Mark Van Der Merwe - University of Utah
Eric Lehman - Northeastern University	Laura Elizabeth Rodgers - University of British Columbia	Daniel Vaughn - University of North Carolina, Wilmington
Jackie (Yifei) Li - Carnegie Mellon University	Palloyi Romero - University of Houston	Shannon Veitch - University of Waterloo
Jingxiang Lin - University of Illinois at Urbana-Champaign	John Spencer Roth - Rochester Institute of Technology	Kai Wen Wang - Carnegie Mellon University
Alisa Liu - Northwestern University	Keefer Rourke - University of Guelph	Xinyi Wang - University of Washington
Jiacheng (Gary) Liu - University of Illinois at Urbana-Champaign	Cameron Ruggles - Purdue University	Han Jie (Austin) Wang - Princeton University
Leo Liu - University of Waterloo	Esteban Safranchik - Brown University	Maxine Whitely - Northwestern University
Yiyun Liu - University of Maryland	Will Schwarzer - Carleton College	Yuchen Wu - University of Toronto
Delaney Lothian - University of Alberta	Andrew Searns - Rochester Institute of Technology	Hansen Wu - Vanderbilt University
Justin Lovelace - Texas A&M University	Seaghan Sefton - Ohio University	Yuxin Xiao - University of Illinois at Urbana-Champaign
Liang Lyu - Duke University	Eura Shin - University of Kentucky	Sifan Ye - University of Rochester
Willie McClinton - University of South Florida	Ruchit Shrestha - Colgate University	Yunzhi (Claire) Zhang - University of California, Berkeley
John Mikulskis - Boston University	Cooper Simpson - University of Colorado	Jieyu Zhang - University of Illinois at Urbana-Champaign
Courtney Miller - New College of Florida	Jack Spalding-Jamieson - University of British Columbia	Xinmeng Zhang - Vanderbilt University
Robert Morrison - University of Maryland	Benjamin Steeper - Cornell University	Xinyi Carol Zheng - University of Michigan
Faizan Muhammad - Tufts University	Ariel Szekely - The University of Texas at Austin	Jianyuan Zhong - University of Rochester
Cassandra Overney - Franklin W. Olin College of Engineering	Stone Tejeda - The University of Texas at Austin	Tongyu Zhou - Williams College
Jacob Paul - University of Colorado, Boulder	Adly Templeton - Williams College	Yangqiaoyu (Rosa) Zhou - Carleton College
Angel Pina - Texas A&M University	Ashely Tenesaca - University of Rochester	
William Porter - University of Notre Dame	Samuel Triest - University of Rochester	

Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2020

By Craig E. Wills, Worcester Polytechnic Institute

This work uses the same methodology as [previous work](#) to study where Computer Science departments are choosing to invest faculty positions using data obtained from advertised faculty searches for the current hiring season. While the number of and areas for faculty searches does not necessarily translate into the same for faculty hires, we believe that they provide insight into current and future needs within the discipline.

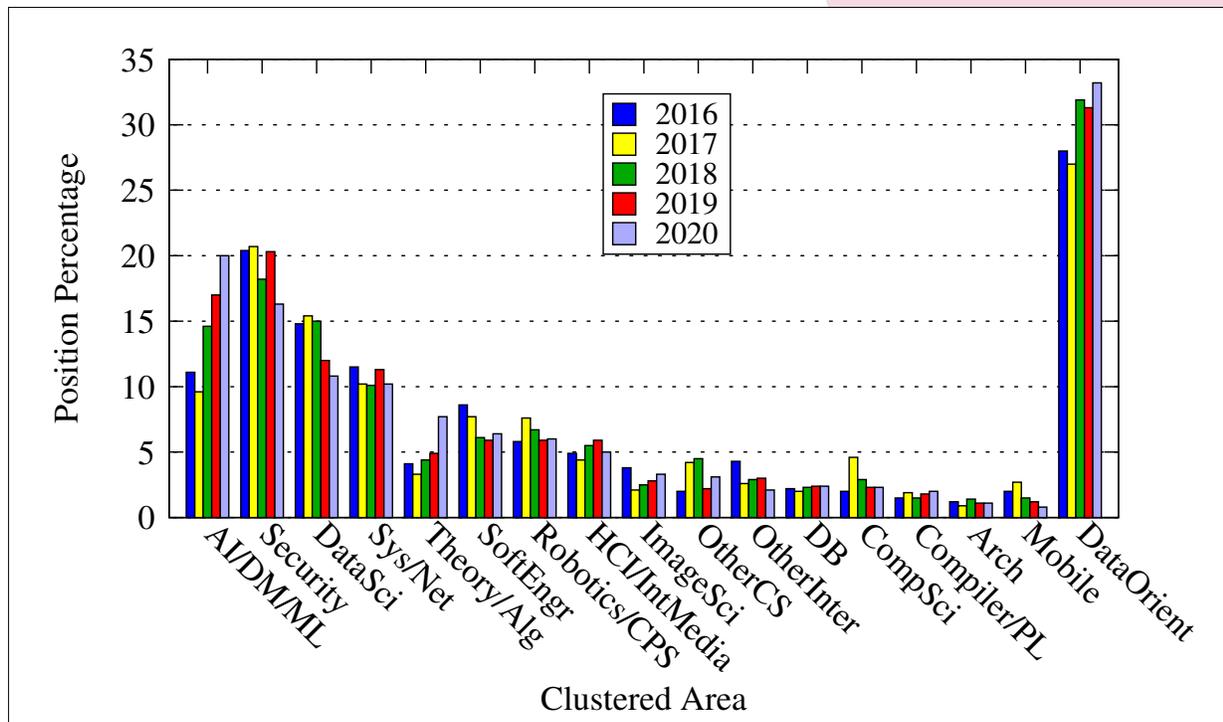
We analyzed ads from 394 institutions seeking to fill hundreds of tenure-track faculty positions in Computer Science. This number is a slight drop from the past two years, but still a 48% increase over the past five years of our studies. The number of tenure-track positions sought shows a decrease of 6% and 11% from the past two years, but still a 54% increase over the past five years. The number of positions being sought decreased for all types of institutions except for those offering only a BS/BA.

We clustered the specific Computer Science topics mentioned in ads into 16 areas. In terms of specific areas, we found that the clustered area of AI/Data Mining/Machine Learning accounts for 20% of all sought positions with Security dropping to second from last year at 16%. The area of Data Science dropped to 11%

of positions, but aggregating the Data Science, AI/DM/ML and Databases clusters again resulted in roughly one-third of all hires sought in these data-oriented areas. The area of Theory/Algorithms had a big increase with 8% of all positions sought due to increases for the Theory and Quantum Computing topics. We found that 22-58% of all hires are for areas that are, or may be, interdisciplinary in nature.

Differences are also seen when analyzing results based on the type of. Positions in the clustered area of AI/Data Mining/Machine Learning have the highest percentages for PhD institutions. Positions related to Security have the highest percentages for MS and BS/BA institutions. These two clustered areas are the two most sought areas for all types of institutions except for top-100 PhD institutions in which Theory/Algorithms is the second-most sought area. Over 35% of positions for PhD institutions are in data-oriented areas.

The full report, containing a description of the methodology and the complete results, is available at <http://www.cs.wpi.edu/~cew/papers/CSareas20.pdf>.



Expanding the Pipeline: Girl Scouts - Building the STEM Leaders and Workforce Talent of the Future



CRA-WP

Computing Research Association
Widening Participation

By Sylvia Acevedo, CEO Girl Scouts of the USA

As CEO of Girl Scouts of the USA and a lifelong Girl Scout, and thanks to my successful business tech career, I am in a position to give back to an organization that gave me so much. It was at Girl Scouts that I first discovered my passion for space and astronomy, during a troop camping trip when I was a seven-year-old Brownie and my troop leader noticed my fascination with the night sky. She pointed out the constellations to me and, as I gazed wide-eyed into the New Mexico sky, explained how there were whole systems out there for the exploring.

Girl Scouts is also where I realized that I was not only interested in science and math—I was good at them. Through my badge experiences, like the one where I earned my Science badge by building and launching an Estes Rocket after much trial and error, I developed the persistence and resilience that I have relied upon my entire career as a rocket scientist, engineer, and tech executive.

Now it's my personal mission to ensure that today's girls have every opportunity to discover and cultivate their passions, to dream big, and to succeed and thrive in whatever path they choose—especially in STEM fields.

Although Girl Scouts has always offered valuable hands-on STEM experiences—among our first badges were pilot, carpentry, and electrician—in the past few years we have undergone a STEM

revolution. In the last year alone, girls have earned nearly 1 million STEM badges in robotics, coding, computer programming, mechanical engineering, space science, environmental advocacy, and cybersecurity.

These are incredible numbers, and they underscore the fact that our programming is really resonating with girls. By summer of 2020, girls from kindergarten through 12th grade will be able to earn 129 STEM badges and awards.

So how do we at Girl Scouts ensure that we are staying relevant to girls' lives and offering the kinds of impactful experiences they want? Through regular customer surveys and groundbreaking original studies conducted by our [Girl Scout Research Institute](#) (GSRI), we are able to gain critical data-driven insights, measure the impact of Girl Scout programming, and lead national conversations about girls and their development. The findings also ensure that girls' wants and needs are at the center of our programming.

One reason there is such a gender gap in STEM is that the curricula have been written around what boys are familiar with and what interests them—they are the default student. This means that when a school or nonprofit rolls out a curriculum that has been developed around what boys are familiar with and interested in, boys immediately gravitate



“Girl Scouts is also where I realized that I was not only interested in science and math—I was good at them”

- Sylvia Acevedo,
CEO Girl Scouts of the USA

to it. It is familiar, they're confident in its use, and they develop competence. On balance, girls are exposed to different experiences than boys in play and education, so it's natural that if criteria is based on boys' skills as a model, they will appear to come in lower in competency and agility. The result is, the girl and her teacher look at the difference in their results and say, “I guess girls aren't good at STEM.”



Girl Scouts (continued)

At Girl Scouts, we know that's not true, so we start with what girls like to do and what their interests are. With challenging cybersecurity topics, like our cyber badges for malware, we don't start with physical layers and communication protocols. Instead, our point of entry is what will most quickly and effectively engage girls. For example, we get 7- and 8-year-old girls to sit in a circle and talk—they love to do that! Then we ask them to toss a ball of yarn to each other as they chat. Pretty soon a physical network is created and the girls can see physically that, even if they didn't directly talk to one another, they can still spread bad things like viruses and malware.

Our own GSRI research confirms girls' interest in the STEM space. Among the findings in GSRI's 2012 report *Generation STEM: What Girls Say About Science, Technology, Engineering and Math* are:

- Seventy-four percent of high school girls across the country are interested in the fields and subjects of STEM.
- Girls are interested in the process of learning, asking questions, and problem solving.
- Girls want to help people and make a difference in the world.
- Girls who are interested in STEM are high achievers who have supportive adult networks and are exposed to STEM fields.
- Girls who are interested in STEM fields are actually interested in many subjects and



career opportunities—STEM is just one area of interest among many.

- Perceived gender barriers are still high for girls and may help explain why STEM fields aren't their top career choices.

That last finding about perceived gender barriers is key. Another GSRI report, *Decoding the Digital Girl: Defining and Supporting Girls' Digital Leadership*, finds that, though girls and boys are almost equally likely to be digital leaders*, with girls (52 percent) actually

edging out boys (50 percent), it also finds the following:

“Parents are more likely to report that their sons figure out new tech on their own and that their daughters learn tech from someone else.”

Perhaps as a result of this, the report also finds that boys are more confident in their tech skills (84 percent vs. 77 percent) and boys are far more likely than girls to believe they are the tech experts in their families (53 percent to 38 percent).

* For this report, the definition of a “digital leader” incorporates not only what a person knows but what they do with their knowledge. True digital leaders have knowledge, confidence, and capability and they also embrace new opportunities, love to learn new things, help others build expertise and confidence through tech, and look critically at the information they consume online.



Girl Scouts (*continued*)

This is pretty consistent with what we know tends to happen in classrooms: boys get called on more than girls and get more airtime, while girls get interrupted more. It's an unfortunate fact that the STEM gender gap begins in the classroom and at home.

Which is why Girl Scouts has doubled down on our STEM experiences for girls, providing them opportunities to see the good they can do, the fun they can have, and the passions they can discover in these fields. Through hands-on, interactive activities offered in a girl-only space free from the pressures of a co-ed environment, girls can feel more comfortable taking risks, exploring new subjects, and trying again when they fail.

When it comes to program development, we take our cues from the girls—they have truly fueled our STEM revolution. They want to learn how they can be safe online and how they can keep their families and communities safe, so we partnered with Palo Alto Networks on 18 cybersecurity badge experiences through which they can explore topics like safe information sharing, cracking codes, digital footprints, cyber-attacks, identity theft, computer viruses, data protection, the ethics of hacking, cyber warfare, trace routes, and on and on. We also partnered with Raytheon on the first-ever Cyber Challenge event where they engaged in hands-on activities that exposed them to crucial computer science and cybersecurity topics such

as cryptography, forensic analysis, encryption, decryption, and tracking hackers.

Girls also want to learn how programmers think because they want to be creators of digital experiences, not just consumers—building apps, developing web sites, and creating games like the ones they enjoy using every day. So we partnered with Raytheon on the first national computer science program for middle and high school girls in which they build computational thinking skills, learn to spot patterns and connections, persist when they encounter obstacles, and take smart risks.

They want to know more about design thinking and how engineers solve problems, so we developed our Think Like an Engineer Journey. They're interested in channeling their inner NASA scientist and learning about objects in space and how astronomers conduct investigations, so we partnered with NASA and the SETI Institute on Space Science badge experiences where they can explore topics such as the properties of light, the universe and their place in it, and inspiring careers in space science.

We have the programming, the reach into every residential zip code, and the scale to truly impact our country's STEM pipeline—and there is one essential ingredient that enables us to have the impact we do: our volunteers. They are the lifeblood of Girl Scouts and are on the ground in communities across the country

inspiring girls, introducing them to new subjects and activities, acting as role models and mentors, and opening them up to all the opportunities that are out there for the seizing.

The value of mentors in a girl's life cannot be overestimated. It was my troop leader who sparked my interest in space exploration and started me on my trajectory to embracing math and science, studying engineering, and becoming a rocket scientist.

It is so important that we as STEM professionals take on the role of mentors and role models to show girls what's possible, to assure them there is space for them to thrive in STEM, and to boost their curiosity, confidence, and potential by giving them tools to think creatively and act boldly. A recent GSRI study, *Today's Girls, Tomorrow's Entrepreneurs*, finds that girls who have

“It is so important that we as STEM professionals take on the role of mentors and role models to show girls what's possible”



Girl Scouts (*continued*)

role models and mentors in their lives are more likely to succeed over time—and that girls themselves are eager to engage with them.

Girl Scouts is building the STEM leaders and workforce talent of the future and ensuring that the pipeline is filled with visionary creators, out-of-the-box thinkers, and doers. We are always

looking for STEM professionals to help reach more girls. I encourage you to volunteer with us, bring your expertise, and discover the impact you can have on the lives of girls and the future of the STEM workforce.

Volunteers don't all have to be women either—girls will work with men in the future, and it's a powerful message

when a man takes them and their ambitions seriously.

Visit [girlscouts.org](https://www.girlscouts.org), find your local council, and let them know you want to help build tomorrow's go-getters, innovators, risk-takers, and leaders—what we at Girl Scouts call G.I.R.L.s.

About the Author

Sylvia Acevedo is an engineer, rocket scientist, tech entrepreneur, author, and the CEO of Girl Scouts of the USA. She was appointed interim CEO in 2016, becoming permanent in 2017 and coming full circle from her youth as a Girl Scout in Las Cruces, New Mexico. Through Girl Scouts, Sylvia discovered her passion for space, science, and math. Her interest in STEM subjects would lead her to a career as a rocket scientist, engineer, technology executive, and award-winning STEM entrepreneur.

Sylvia has led a transformation of Girl Scout programming in STEM, the outdoors, entrepreneurship, and leadership. She spearheaded the largest rollout of badges in recent history—more than 100 badges in STEM and the outdoors, including weather-pattern analysis, space science, robotics, coding, app and game development, and cybersecurity.

Sylvia is the author of *Path to the Stars: My Journey from Girl Scout to Rocket Scientist*, a memoir for middle school students that inspires readers to live the lives of their dreams.



Expanding the Pipeline: CRA-WP Research Mentoring at the 2019 Grace Hopper Celebration of Women in Computing - Going Strong and Growing

By A.J. Bernheim Brush, Tracy Camp, Sheila Castañeda, Andrea Danyluk, Yuqing Melanie Wu

The Grace Hopper Celebration of Women in Computing (GHC) appears to be on track to break attendance records every year. The 2019 conference, held in Orlando Florida, saw an increase to more than 25,000 participants, up from around 20,000 in 2018. As GHC grows, so does the reach of CRA-WP's programs at GHC for attendees interested in research and research careers. For undergraduate students exploring research for the first time,

graduate students embarking on the path to a research career, academic and research professionals furthering their careers, and industry professionals considering a career change, CRA-WP's programs make a real impact on many GHC participants.

CRA-WP's programming kicked off the morning of Wednesday, October 2nd, with a "welcome and networking" event for around 100 undergraduate CRA-WP GHC Research Scholars. The NSF-funded Research Scholars program started in 2016 and provides funding for research-interested undergraduate students to attend GHC, guidance for finding and navigating the research content at the conference, and three separate events where Scholars can interact with each other as well as meet senior research mentors.

CRA-WP Research Scholars and many others enjoyed the opportunity to talk with mentors at the Mentoring Circles session, where over the course of three hours on Wednesday, they joined small-group 20-minute discussions on specific topics of interest. CRA-WP once again hosted six tables with 12 exceptional mentors at the Mentoring Circles: (1) How to Be Successful Post-Bachelor's, (2) Is Graduate School for You?, (3) Master's or Ph.D.?, (4) How to Successfully Apply to Graduate School, (5) What is Computing Research? How Can Undergraduates Participate?, and (6) Research Careers: What Are the Options? How Do I Get There?

CRA-WP Research Scholars also attended a poster session on Thursday, October 3, that featured research presented by CRA-WP CREU and DREU students. Twenty students who had participated in CRA-WP's two REU programs - Distributed Research Experience for Undergraduates (DREU) and Collaborative Research Experience for Undergraduates (CREU) - presented their research to conference participants. The student researchers were excited for the opportunity to share their research, and attendees greatly enjoyed the chance to learn, be inspired, and share ideas of their own.

Anna Gommerstadt (Vassar College) and India Irish (Georgia Tech) kicked off the series of CRA-WP mentoring talks at GHC,



cutline



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Grace Hopper Celebration (*continued*)



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with the session “I’m a Student Again: Heading to Graduate School After a Break.” Open to all GHC attendees, this talk also served as the opening of the new NSF-funded CRA-WP Returning Scholars program for industry professionals interested in a research-focused career change. With pointers to relevant talks and mentoring circles throughout GHC, the Returning Scholars program culminated in a one-on-one mentoring lunch before the close of the conference.

CRA-WP’s programs at GHC extend to participants at all points on the research-career path and our talks and panels were

very well attended, with audiences of around 150 per session and more than 1000 in total. Our mentoring talks primarily for graduate students included “It’s a Marathon, not a Sprint: Balancing Work and Life in Grad School and Beyond”, presented by James Mickens (Harvard University) and Kristin Stephens-Martinez (Duke University), “Building Your Academic Professional Network”, by Jaime Moreno (IBM Research) and Ming Lin (University of Maryland at College Park), and “Finding Your Dream Job with a Ph.D.”, with panelists Deb Agarwal (Lawrence Berkeley National Lab), Stefanie Mueller (MIT CSAIL), and Raquel Romano (Threadloom). CRA-WP’s mentoring talks intended primarily for faculty included “Effective Teaching Tactics”, presented by Helen Hu (Westminster College) and Susan Rodger (Duke University), as well as “Building Your Professional Persona”, presented by Andrea Danyluk (Williams College) and Ayanna Howard (Georgia Tech). And for faculty or industry researchers considering a career change, A.J. Bernheim Brush (Microsoft) and Marie desJardins (Simmons University) presented “Mid-Career: Stay, Change, or Retire?” They reprised this in a more intimate setting at the Speakers Corner, where invited speakers led talks and mentoring sessions at the AnitaB.org booth in the Expo Hall.

Building a diverse research workforce is very closely tied to building pathways into computing generally, so CRA-WP also presented “How Universities are Creating New Pathways to Diversify Tech,” a panel moderated by Andrea Danyluk, with panelists Valerie Barr (Mount Holyoke College), Carla Brodley (Northeastern University), and Colleen Lewis (Harvey Mudd College).

CRA-WP enjoys productive collaborations with many groups, and since 2016 has been organizing a session at GHC together with ACM-W and NCWIT. This year, CRA-WP board member Tracy Camp (Colorado School of Mines) co-organized this session on “What Does Success look like? Learn how to make classrooms and workplaces inclusive and welcoming.” In this session – a great complement to the panel on building new pathways – speakers Katherine Lannen and Linda Wu (students at the College of William and Mary), Ed Lazowska (University of Washington), Lucy Sanders (NCWIT CEO), Jodi Tims (ACM-W Chair and Northeastern University), Kim Vorath (Apple), and Tracy Camp (Colorado School of Mines) provided practical and proven resources to assist attendees’ diversity goals.



Grace Hopper Celebration (*continued*)

Many CRA-WP board members work on GHC committees each year, helping to develop, review, and present research-focused content at the conference. A particularly exciting effort that CRA-WP has organized the past two years has been a session highlighting ACM award-winning female researchers. This year's theme was Cybersecurity and featured three speakers, Aisha Ali-Gombe (Towson University), Alexandra Dmitrienko (University of Wuerzburg), and Shagufta Mehnaz (Purdue University).

Not all computer scientists will choose careers in research, but along with many others, CRA-WP is working to ensure that all computing students know what research is and what research careers look like, that those already in research

have the mentoring and support to thrive in their careers, and that researchers doing exciting work are recognized for their contributions. CRA-WP partners with AnitaB.org to offer career advice to thousands of GHC attendees, as well as help ensure these attendees are aware of the other programs that CRA-WP offers. CRA-WP's programs at GHC would not be possible without the organization, energy, and good humor of CRA staff Erik Russell, Daniela Cardenas, and Alejandra Guzman. They worked tirelessly before, during (especially ensuring that the CRA-WP booth was always staffed), and after the conference.

Details on the CRA-WP sessions at GHC 2019 are available here: <https://cra.org/cra-wp/career-mentoring-workshops-at-grace-hopper/>.

About the authors:

A.J. Bernheim Brush has been embedded in the Cortana Product Group at Microsoft since January 2016. She spent the previous 11 years in Microsoft Research. Her research area is Human-Computer Interaction with a focus on Ubiquitous Computing and Computer Supported Collaboration (CSCW). Her research has received a 10-year impact award, and several best paper awards and nominations.

Tracy Camp is the Department Head of Computer Science (CS) at Colorado School of Mines (Mines). She joined Mines in 1998, became a Full Professor in 2007, and launched the CS@Mines Department in 2016. Her research is in wireless networking, where she is most known for improving the credibility of wireless networking simulation studies. Dr. Camp is an ACM Fellow, an IEEE Fellow, and passionate about broadening participation in computing.

Sheila Castañeda is Professor Emerita at Clarke University. She enjoyed a 35-year career teaching and chairing the Computer Science department there. She has been a member of CRA-WP for over 20 years and is involved in several other community organizations.

Andrea Danyluk is the Mary A. and William Wirt Warren Professor of Computer Science at Williams College. Her research is in Machine Learning. She is also active in computer science education and was recently named a Distinguished Member of ACM for contributions to computing education. She is passionate about broadening participation in computing and is currently Co-Chair of CRA-WP as well as a member of the Advisory Council of the Center for Inclusive Computing.

Yuqing Melanie Wu is Professor of Computer Science and chair of the Computer Science Department at Pomona College. Her research area is data management, query languages and query optimization. She has been active in promoting diversity and inclusivity in computing, and serves on both the CRA-WP board and ACM-W council.

Nominations Open for the Skip Ellis Early Career Award



The Computing Research Association is pleased to announce its newest award, the Skip Ellis Early Career Award, which will recognize outstanding scientists and engineers with exceptional potential for leadership in computing.

The award joins the [Anita Borg Early Career Award for Women](#) in advancing excellence and equal opportunity in computing research. [Nominations](#) for the inaugural Skip Ellis Early Career Award are now open and will close on February 15.

This award is in honor of the late Clarence “Skip” Ellis. He was the first African-American to earn a Ph.D. in computer science and the first African-American to be elected a Fellow of the ACM. Among his many contributions to computing, Ellis is most well-known for his pioneering work in groupware and CSCW systems. His accomplishments include leading the development of OfficeTalk, the first office system to use icons, and Ethernet to allow people to collaborate from a distance.

The Skip Ellis Early Career Award will be given to a person who identifies as a member of a group underrepresented in computing (African-American, Latinx, Native American/ First Peoples, and/or people with disabilities), who has made significant research contributions in computer science and/

or engineering and has also contributed to the profession, especially in outreach to underrepresented demographics. The award will recognize individuals in academia and industrial/ government labs who combine excellence in their research accomplishments with a positive and significant impact advancing equal opportunity in the computing research community. This award is focused on underrepresented researchers that are relatively early in their careers (at most 8 years post-Ph.D.).

Nominations should not exceed two pages in length and should describe the contributions on which the nomination is based. Please submit 3 letters in support of the nomination and a curriculum vitae or biosketch with information such as education, job history, top 10 publications in the last 5 years, and relevant outreach activities (not to exceed two pages).

Detailed information about the award and nomination submission can be found on the [Skip Ellis Early Career Award webpage](#).

Nominations Sought for New CCC Council Members



CCC

Computing Community Consortium
Catalyst

The **Computing Community Consortium** (CCC) is charged with catalyzing and empowering the U.S. computing research community to articulate and advance major research directions for the field. Established in 2006 through a cooperative agreement between the **U.S. National Science Foundation** (NSF) and the **Computing Research Association** (CRA), the CCC provides a voice for the national computing research community, and facilitates the development of a bold, multi-themed vision for computing research, and communicates that vision to a wide range of major stakeholders.

To fulfill its mission, the CCC needs truly visionary leaders – people with great ideas, sound judgment, and the willingness to work hard to see things to completion. The Council is comprised of 20 diverse researchers from across the computing spectrum. **Please help the computing community by nominating such people for the Council.**

What do CCC council members do?

- Shepherd visioning activities
- Engage in topical task forces
- Develop and lead new activities
- Engage with government agencies, industry, and sister organizations (NSF, ACM, Big Data Hubs...)
- Write white papers, blog posts, and contribute to other CCC communications efforts
- Participate in monthly teleconferences
- Attend three face-to-face meetings each year
- Other requests as needed

The CCC carries out its work through an active and engaged **Council**, currently led by Chair **Mark D. Hill** (University of Wisconsin-Madison) and Vice Chair

Liz Bradley (University of Colorado Boulder). The members of the Council are appointed by CRA, in consultation with NSF, for staggered three-year terms. In the aggregate, the Council must reflect the full breadth of the computing research community – this includes research area, institutional character, geographic diversity, etc. The Council is fully supported by a dedicated staff at CRA, lead by Director **Ann Schwartz Drobnis**.

For more information about the CCC, please visit our [website](#) and [blog](#).

The CCC's Nominating Subcommittee now invites nominations (including self-nominations) for members to serve on the CCC Council for terms beginning July 1, 2020 and concluding July 1, 2023. This year, we are particularly interested in researchers in computer vision, bioinformatics, programming languages, and networking.

Please send nominations, together with the information below, to ccc-nominations@cra.org by **11:59pm EST on Friday, February 7, 2020**. The subcommittee's recommendations will serve as input to CRA and NSF, who will make the final selection.

Please include:

- Name, affiliation, and email address of the nominee.
- Areas of research expertise.
- Previous significant service to the research community and other relevant



experience, with years it occurred (no more than *five* items).

- A brief biography or curriculum vitae of the nominee.
- The names and contact information (email and phone) for 2-3 people who would be knowledgeable about the nominee's potential for such a service role.

A statement from the nominee of less than one page, supporting his or her nomination by describing his or her ideas for, and commitment to, advancing the work of the CCC in encouraging new research directions, engaging broader communities, and finding wider funding sources.

Please note that in order to represent the community and provide it with a breath of different knowledge, the CCC selects council members from different institutions.

If you nominated a possible council member within the past three years and still believe that individual would be a good fit, please let us know along with any new information you consider relevant and we will include this when we review the previous nomination material.

If you have any questions, please direct them to the CCC Director Ann Schwartz Drobnis (adrobnis@cra.org).

Call for Proposals: Creating Visions for Computing Research



CCC

Computing Community Consortium
Catalyst

The mission of **Computing Research Association's (CRA) Computing Community Consortium (CCC)** is to catalyze the computing research community and enable the pursuit of innovative, high-impact research. CCC conducts activities that strengthen the research community, articulate compelling research visions and align those visions with pressing national and global challenges. CCC communicates the importance of those visions to policymakers, government and industry stakeholders, the public, and the research community itself.

In accordance with the mission, CCC is **issuing a new call for proposals for activities that will catalyze and enable innovative research at the frontiers of computing.**

This guide shares further insight about the visioning process, from idea conception through program formation. It includes suggested activities, sample wording, and a timeline. Past examples of visioning activities can be found [here](#).

From the solicitation:

- A well-formulated proposal should do the following:
- *Describe* the visioning topic area and its current state of development within the field,
- *Explain* the proposed activities in detail (if more than one activity, be sure to demonstrate the differences between the activities, the rationale for more than one activity, and the mechanisms to coordinate across activities),
- *Connect* the activity and the vision: how does the former support/foster the latter?
- *Justify* why this vision and this activity are appropriate now,
- *Specify* the intended outcomes of the activity, and
- *Describe* how those outcomes can be used to advance the visioning topic area.

A complete proposal must also

- *Identify* the organizing committee,
- *Include brief* biographical sketches of the organizers,
- *Propose* a representative set of potential invitees (be sure to include representation from industry, policy and funding organizations),
- *Provide* a draft budget with justification, and
- *Articulate* how the success of the workshop and its outcomes can be assessed.

If you have ideas or topics for visioning, please consider submitting a proposal. For CCC planning purposes, proposals with start dates prior to Fall 2020 should be submitted by April 15, 2020. Proposals should be no more than six pages in length. They should describe the existing or potential vision(s) and proposed activities in detail, including how the larger community will be engaged.

For more information, see [the complete call for proposals](#). And if you have questions, please [e-mail us](#) or see the slides from the [Visioning Activities Webinar](#).

We look forward to receiving your ideas!

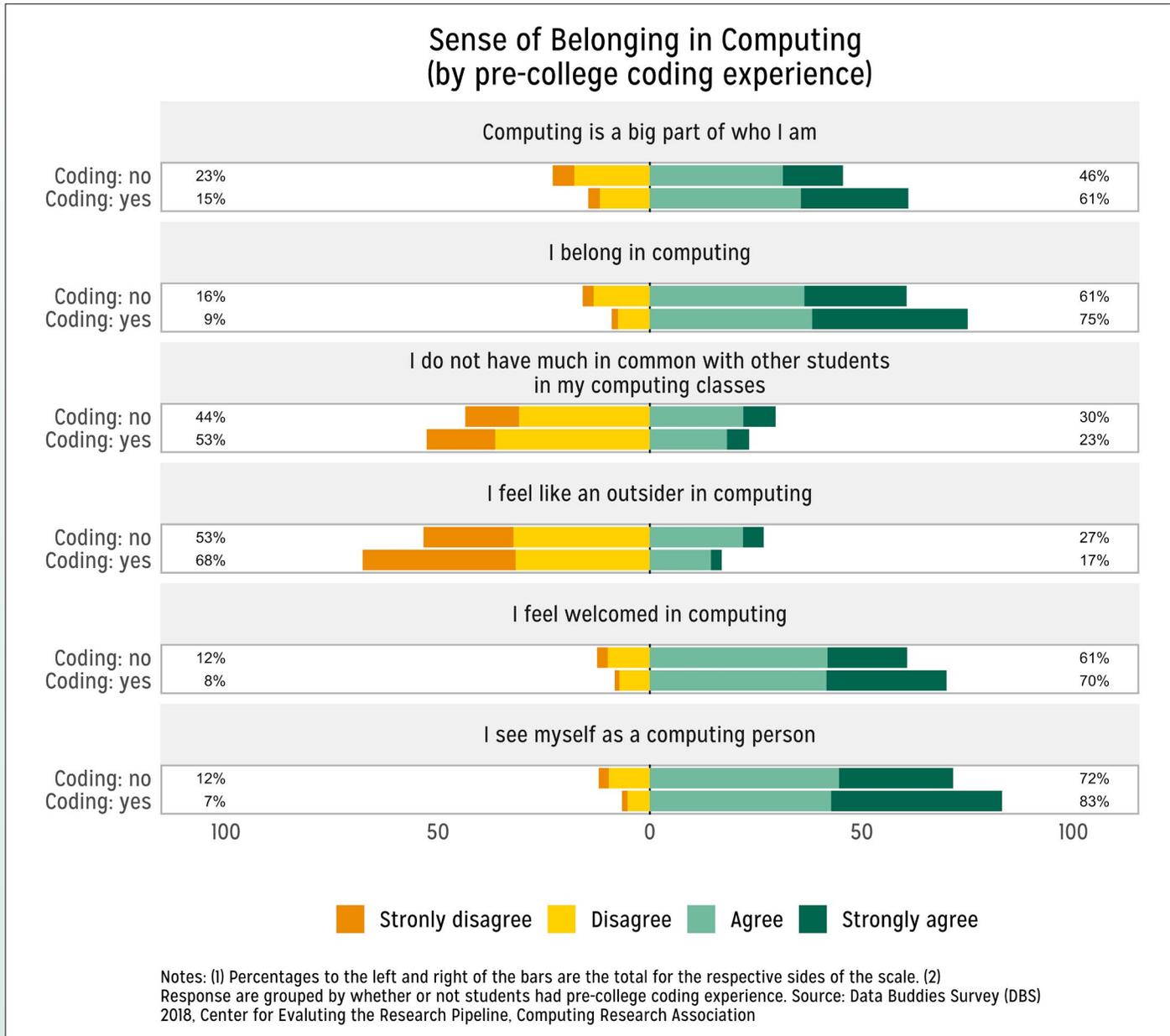
Higher Sense of Belonging for Students with Pre-college Coding Experience



CERP

Computing Research Association
Evaluation

By Burçin Tamer, Director of CERP



Engaging students in coding activities have been a major focus of promoting computing among K-12 population. Many organizations and companies (e.g., Code.org, Google CS First, Microsoft MakeCode) are now offering options for teaching coding to young students. These efforts are intended to increase interest in computing education and careers, and provide students with skills

that will make them more competitive in the job market down the road even if they do not choose a computing career.

Analysis of data from 5,733 undergraduate students in computing shows that the benefits of engagement in coding early on continues onto the students' college experience. According to the



Sense of Belonging (*continued*)

Data Buddies Survey (2018), undergraduate students with pre-college coding experience tend to have higher sense of belonging in computing. The graphic here shows students' agreement with a number of survey questions intended to measure their sense of belonging in computing. The bars for students with and without prior coding experience illustrate that having these experiences is associated with higher levels belonging in all of the measures.

Compared to the students without any pre-college coding experience, 15% more of those with coding experience reported that computing is a big part of who they are, 14% more noted that they belong in computing, 9% more felt that there were welcomed in computing, and 11% more saw themselves as a computing person. For the items in the negative direction, 9% and 15% more of the students with coding experience expressed

disagreement with the statements "I do not have much in common with other students in my computing classes" and "I feel like an outsider in computing", respectively, compared to students without pre-college coding experience.

Given the importance of sense of belonging for retaining students in the field of computing, this finding highlights the potential long-term benefits of engaging students in coding early-on. There are certainly many other factors that play into student retention and not all coding experiences will provide significant benefits to the students. However, this consistent trend across the various measures of belonging suggests that educators and policy makers have good reason to support efforts for integrating coding into curricular and extra-curricular activities early-on.

Notes:

The survey data used in this chart were collected during fall 2018 by CERP via the [Data Buddies Project](#). The sample includes 5,733 undergraduate students enrolled in a computing major. In this sample, 3,602 students reported having some programming experience prior to college.

Students' sense of belonging in computing was measured using the following question and items: How much do you agree or disagree with the following statements? - I belong in computing, - I feel like an outsider in computing, - I feel welcomed in computing, - I see myself as a computing person. Students were asked to rate their agreement with each of these statements on a 5-point scale of Strongly Disagree (1), Disagree (2), Neither Agree nor Disagree (3), Agree (4) and Strongly Agree (5). The neutral responses (3) are not shown in the graphic but were taken into account while calculating the percentages.

This analysis is brought to you by the CRA's Center for Evaluating the Research Pipeline (CERP). CERP provides social science research and comparative evaluation for the computing community. [Subscribe to the CERP newsletter here](#)

This material is based upon work supported by the National Science Foundation under grant numbers (CNS-1246649, CNS 1840724, DUE-1431112, and DUE 1821136). Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

AAAS Honors 2019 Elected Fellows

The American Association for the Advancement of Science (AAAS) recently announced its 2018 elected Fellows. The Fellows are recognized with this lifetime honor for their extraordinary achievements in advancing science. Fellows are elected annually by the AAAS Council from the list of approved nominations from the Section Steering Groups. Several individuals involved with CRA have been elected Fellows to the Section on Information, Computing & Communication. Among them are:

CCC Council and CRA-WP Board Member

Odest Chadwicke Jenkins, University of Michigan

Former CRA Board Member 2007-2013

Norman P. Jouppi, Google, Inc.

Former CCC Council Member, CERP Advisory Committee Member

Sampath Kannan, University of Pennsylvania

Former CCC Council Member

Klara Nahrstedt, University of Illinois at Urbana-Champaign

The 2019 Fellows will be recognized at the 2020 AAAS Annual Meeting. View the full list of elected Fellows at:

<https://www.aaas.org/page/2019-fellows>.



Congratulations to Newly Elevated IEEE Fellows

CCC Council Member Ian Foster and CRA Board Members Mary Hall and Vivek Sarkar have recently been named IEEE Fellows. IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary accomplishments in any of the IEEE fields of interest are deemed fitting of this prestigious grade elevation.

Ian Foster

Argonne National Laboratory and University of Chicago
“for contributions to grid computing and data transport infrastructures”

Mary Hall

University of Utah
“for contributions to compiler optimization and performance tuning”

Vivek Sarkar

Georgia Tech
“for contributions to compiler technologies for high-performance computing”



Congratulations to the 2019 ACM Fellows

The ACM recently named 58 of its members as ACM Fellows for wide-ranging and fundamental contributions in areas including artificial intelligence, cloud computing, combating cybercrime, quantum computing and wireless networking.



From the [ACM Press Release](#):

The accomplishments of the [2019 ACM Fellows](#) underpin the technologies that define the digital age and greatly impact our professional and personal lives. ACM Fellows comprise an elite group that represents less than 1% of the Association's global membership.

"Computing technology has had a tremendous impact in shaping how we live and work today," said ACM President Cherri M. Pancake in announcing the 2019 ACM Fellows. "All of the technologies that directly or indirectly influence us are the result of countless hours of collaborative and/or individual work, as well as creative inspiration and, at times, informed risk-taking. Each year, we look forward to welcoming some of the most outstanding individuals as Fellows. The ACM Fellows program is a cornerstone of our overall recognition effort. In highlighting the accomplishments of the ACM Fellows, we hope to give credit where it is due, while also educating the public about the extraordinary array of areas in which computing professionals work."

CCC Council and CRA-WP Board Member Maria Gini, former CRA Board Member Lise Getoor, and former CCC Council Members Elizabeth Churchill and Robin Murphy were among those honored. Gini is also the recipient of the [2019 CRA A. Nico Habermann Award](#).

Elizabeth F. Churchill

Google

For contributions to human-computer interaction and service to ACM

Lise Getoor

University of California, Santa Cruz

For contributions to machine learning, reasoning under uncertainty, and responsible data science

Maria L. Gini

University of Minnesota

For contributions to robotics and multi-agent systems and a lifelong commitment to diversity in computing

Robin R. Murphy

Texas A&M University

For contributions in founding and advancing the field of computing for disasters and robotics

ACM will formally recognize its 2019 Fellows at the annual Awards Banquet, to be held in San Francisco on June 20, 2020.

Alexander Wolf Appointed to the CRA Board of Directors



Alexander Wolf has been appointed to serve as one of the two ACM representatives on the CRA board of directors. Wolf joins Mary Hall and replaces [Andrew Sears](#) on the board. CRA would like to thank Sears for his contributions during his term of service on the board.

Wolf serves as Dean of the Baskin School of Engineering and Distinguished Professor in the department of Computer Science and Engineering at the University of California, Santa Cruz. His professional interests span the fields of distributed systems, networking, computer systems, and software engineering. He is known for seminal research in software architecture, business analytics, and information-centric networking. Recent projects have focused on cloud computing, data-center networking, and edge computing. Prior to joining UC Santa Cruz, Wolf held professorial positions at Imperial College London, the University of Lugano, and the University of Colorado at Boulder. After receiving his Ph.D. from the University of Massachusetts at Amherst, he began his professional career as a member of the technical staff at AT&T Bell Laboratories in Murray Hill, New Jersey. Wolf recently served a term as President of the Association for Computing Machinery, the oldest

and largest international society of computing professionals and students. He is a Fellow of the ACM, IEEE, and BCS, holder of a Royal Society-Wolfson Research Merit Award, the ACM SIGSOFT Distinguished Service Award, the ACM SIGSOFT Outstanding Research Award, two-time recipient of the ACM SIGSOFT Research Impact Award, and the University of Massachusetts, Amherst, College of Information and Computer Sciences Outstanding Alumni Research Award.

CRA Welcomes Nicole Beck



CRA has recently hired Nicole Beck as a part-time reimbursement specialist, working closely with CRA's Grant Specialist Jill Hallden to ensure the organization's bills get paid on time and reimbursements for participants in CRA-sponsored events are processed expeditiously. Prior to joining CRA, Nicole was a stay at home mom while also attending college at George Mason University and Arizona State University. She graduated from Arizona State with a Bachelor's of Science degree in geography with a specialization in geographic information systems. In her free time, Nicole enjoys all things geography and cartography, spending as much time as possible with her two daughters, as well as discovering new music to listen to.

CRA Board of Directors

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Vivek Sarkar, Georgia Tech
Shashi Shekhar, University of Minnesota
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Helen Wright, Senior Program Associate, Computing Community Consortium
Evelyn Yarzebinski, CERP Research Associate

Column Editor

Expanding the Pipeline
Patty Lopez, Intel

Aalto University

Researchers

Finnish Center for Artificial Intelligence FCAI is looking for excellent researchers to develop AI that is data-efficient, trustworthy, and understandable (Helsinki, Finland)

Are you a promising researcher looking for an outstanding postdoc or research fellow position? The newly launched Finnish Center for Artificial Intelligence FCAI (<https://fcai.fi>) is looking for postdoctoral researchers and research fellows interested in tackling challenges in machine learning and in creating artificial intelligence that is data-efficient, trustworthy, and understandable.

FCAI is built on the long tradition and track record of decades of pioneering machine learning research in Helsinki. It was recently selected as one of the first ELLIS (European Laboratory for Learning and Intelligent Systems) units that assemble European top talent in machine learning. With a total budget of €250M over the next 8 years, FCAI is opening a range of research positions for academics and ICT professionals in different levels of their careers.

The deadline for applications is January 27th, 2020.

Please see <https://fcai.fi/postdocs> for more information.

Website: fcai.fi

Twitter: twitter.com/fcai_fi

LinkedIn: linkedin.com/company/fcai/

Aarhus University

Assistant and Associate Professors

Aarhus University is looking for excellent and visionary tenure track Assistant or Associate Professors to push the frontiers of Computer Science.

We in particular wish to build competencies and groups within Machine Learning/Artificial Intelligence, Software Engineering and Systems Security, as well as Computer Graphics, and Computer Vision. In general, we encourage candidates within all areas of Computer Science to apply.

If you want to join the department and collaborate with our world-class researchers please read more about the positions available and apply for the positions [here](#)

The position is open from June 1st 2020.

Adams State University

Assistant Professor of Computer Science

Adams State University invites applications for a tenure-track position in computer science at the Assistant Professor level (#FS8014). A demonstrated commitment to student-centered undergraduate teaching with a Master's degree in computer science or closely related field is required; Ph D. preferred.

Salary \$58,000 to \$60,000 for a typical 9-month appointment.

For complete institutional and position details, and application instructions



ADELPHI UNIVERSITY

Assistant Professor (Tenure - Track) Mathematics and Computer Science Start Date: Fall 2020

Adelphi University, New York, is a highly awarded, nationally ranked, powerfully connected doctoral research university dedicated to transforming students' lives through small classes with world-class faculty, hands-on learning and innovative ways to support academic and career success. Adelphi offers exceptional liberal arts and sciences programs and professional training, with particular strength in our Core Four—Arts and Humanities, STEM and Social Sciences, the Business and Education Professions, and Health and Wellness. Recognized as a Best College by U.S. News & World Report, Adelphi is Long Island's oldest private coeducational university, serving more than 8,100 students at its beautiful main campus in Garden City, at learning hubs in Manhattan, the Hudson Valley and Suffolk County, and online. The University offers students more than 50 undergraduate majors and 70 graduate programs in the liberal arts, the sciences and professional training. With powerful partnerships throughout the New York area, more than 115,000 graduates across the country, a growing enrollment of students from 41 states and 58 countries, and rising rankings from top publications and organizations, Adelphi is a dynamic community that plays a leadership role on Long Island and in the region.

JOB SUMMARY:

The department of Mathematics and Computer Science seeks applications for one full time tenure track position with the rank of Assistant Professor, to start Fall 2020. We seek candidates with a strong commitment to excellence in scholarly research and teaching in the field of computer science. The successful candidates will be expected to teach in our undergraduate as well as graduate program. S/he should be committed to teaching excellence, establishing a scholarly publication record, and serving as an active member of the Adelphi community. The position requires teaching undergraduate and graduate courses, producing intellectual contributions, and engaging in institutional service.

RESPONSIBILITIES:

- 1) Faculty members teach 18 credits annually.
- 2) Teach bachelor's and master's courses.
- 3) Teaching assignments may occur at any of the University's sites.
- 4) Conducting and publishing research in topics relevant to computer science.
- 5) Contributing to student growth and development through active involvement in student related activities (e.g., advising, working with student organizations).
- 6) Providing service to the university.

QUALIFICATIONS:

A doctoral degree, in computer science, or closely related discipline is required within one year of appointment as a tenure-track member of the faculty.

APPLICATION:

- 1) Applications should include a letter of interest, curriculum vitae, a teaching statement, a research statement, and three letters of recommendation.
- 2) Abstracts of recent publications are welcome as part of the application. To be considered, applications must be submitted through the Adelphi website only.

To apply, visit <https://apptrk.com/1669598>

visit <https://www.adams.edu/hr/faculty-positions/>

Open until filled.

Alfred University

Tenure Track Assistant Professor in Computer Science

Alfred University invites applications for a tenure-track position in Computer Science at the Assistant Professor level beginning August, 2020. The individual hired for this position will be given the opportunity to make significant contributions to the development of an emergent computer science major.

For details about qualifications, responsibilities, application materials, and Alfred University's equal employment opportunity policy, please visit <https://www.alfred.edu/jobs-at-alfred/index.cfm>.

American University

Full-time Term Position in Literature, Culture, and Technology

American University's Department of Literature invites applications for a full-time term position in Literature, Culture, and Technology.

Initial appointment is through May 2021 and will commence on January 13th, 2020: apply.interfolio.com/70960

Arizona State University

Professor (All Ranks) Computer Science and Biodesign Institute

The Ira A. Fulton Schools of Engineering (FSE) at Arizona State University (ASU) and the Biodesign Center for Biocomputation, Security and Society (CBSS) invite applications for a tenured or tenure-track faculty position. We are particularly interested in tenure-track applicants but will also consider strong tenured candidates. Areas of interest include: cybersecurity, bio-inspired computing and modeling (especially immunology, evolution, ecology), software engineering, and intelligent systems. Originality, fit with the Center, strong interdisciplinarity, and the potential impact of the candidate are higher priorities than specific research area. CBSS focuses on projects that require tight integration of biological principles and computational abstractions, emphasizing defenses against malicious behavior in natural and artificial complex systems.

We seek applicants who will contribute to our programs and expand collaborations between the Biodesign Institute and FSE. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, adopt innovative educational practices in graduate and undergraduate education, develop and teach graduate and undergraduate courses, advise and mentor

graduate and undergraduate students, and undertake service activities within the university, in the professional community and at a national level.

Required qualifications include an earned doctorate in computer science, engineering, biological sciences, or related field and demonstrated research and teaching excellence appropriate to the candidate's rank. Desired qualifications include demonstrated commitment to interdisciplinary research and teaching, history of extramural funding, and record of significant publications.

Appointments are expected to begin August 2020. The tenure home may be in any of the Fulton Schools of Engineering, although the School of Computing, Informatics and Decision Systems Engineering is currently the most involved in the interest areas of the search. Teaching responsibilities will be to the School to which the candidate is appointed, and the research program will be closely tied to Biodesign CBSS. Applications should clearly address the candidate's teaching qualifications and experience relevant to a particular FSE program. Candidates are invited to submit an optional Diversity Statement, outlining their experience and commitment to enhancing diversity and access to education, and working broadly with diverse communities.

Application deadline is November 15, 2019. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may be

reviewed in the order in which they were received until the position is filled. Apply at <https://hiring.engineering.asu.edu>.

Candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter
- Current CV
- Statement describing research interests
Statement describing teaching interests
- (Optional) A short diversity statement
- Contact information for four references

For further information or questions about the search please contact Professor Stephanie Forrest (steph@asu.edu).

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) at <https://www.asu.edu/aad/manuals/acd/acd401.html> and the Title IX statement at <https://www.asu.edu/titleIX/>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf> You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Arizona State University

Center Director - Disinformation

Arizona State University's Global Security Initiative (GSI) seeks an inaugural Center Director - Disinformation to build a robust research effort focused on developing framework, tools, and approaches to combat the spread of false or misleading information for political purposes. The Center Director will be dedicated to advancing research and discovery of public value, with the ultimate aim of advancing fundamental knowledge and producing technologies and best practices that can be transitioned to security practitioners in both government and industry.

The Global Security Initiative is ASU's interdisciplinary hub for defense and security research and serves as the University's primary interface with the Department of Defense and other government agencies in the security and defense sectors. GSI anticipates significant growth over the next decade, and the Center Director-Disinformation will help steer the direction of that growth.

ASU will begin review of applications immediately and continue until an appointment is made. For full consideration, application materials should be received by December 19, 2019. The Center Director-Disinformation profile (which includes application instructions) may be found at <https://www.agbsearch.com/searches/the-center-director-global-security-initiative-gsi-arizona-state-university>

Inquiries, nominations and expressions of interest are encouraged. Please direct them to ASUCenterDirectorGSI@agbsearch.com or to the AGB Search consultants listed below.

Kimberly Templeton, Principal,
kimberly.templeton@agbsearch.com

Rod McDavis, Managing Principal,
rod.mcdavis@agbsearch.com

Sally Mason, Executive Search Consultant,
sally.mason@agbsearch.com

Nancy Targett, Executive Search Consultant,
nancy.targett@agbsearch.com

Arizona State University

Professor (All Ranks) in Cybersecurity of AI and Cryptography

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seek applicants for a tenure-track/tenured faculty position in the intersection of Cybersecurity, AI, and Cryptography in the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) and/or the School of Electrical, Computer, and Energy Engineering (ECEE). Areas of interest include, but are not limited to: the robustness, security, and resilience of Artificial Intelligence (AI) systems; applied cryptography; cryptography foundations; cryptographically-assured privacy; privacy-preserving artificial intelligence and machine learning approaches; privacy-preserving databases; game-theoretic approaches to cybersecurity; secure multiparty computation

and cryptography; hardware-level cryptographic security; secure enclaves; autonomous cybersecurity approaches; and other emerging areas covering various intersections of cybersecurity, AI, ML, and cryptography.

The Center for Cybersecurity and Digital Forensics at ASU provides a framework for multidisciplinary collaboration. This center includes faculty from CIDSE, EECE, the W. P. Carey School of Business, College of Liberal Arts and Sciences, New College of Interdisciplinary Arts and Sciences, School of Criminology and Criminal Science, Sandra Day O'Connor College of Law, and the School of Sustainability. Successful candidates will be encouraged to participate in and expand these collaborations.

Required qualifications: Earned doctorate or equivalent in Computer Science, Computer Engineering, Electrical Engineering, Cybersecurity, or a closely related field by the time of appointment. Demonstrated evidence of excellence in research and teaching as appropriate to the candidate's rank. Desired qualifications: Commitment to teaching at both the graduate and undergraduate levels, strong record of publications in top-tier venues and the potential for establishing an externally funded research program, and a strong commitment to bringing about real-world impact as a result of the candidate's research.

We seek applicants who will contribute to our programs and expand collaborations with existing faculty at ASU. Located in Tempe with easy access to the

outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates will be encouraged to expand expertise and collaborations in these areas. The tenure home may be in any of the Ira A. Fulton Schools of Engineering.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2020.

Application deadline is December 16, 2019. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. Apply at <https://hiring.engineering.asu.edu/>. Candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter
- Current CV
- Statement describing research interests
- Statement describing teaching interests
- (Optional) A short diversity statement

- Contact information for at least three references

For further information or questions about this position please contact Professor Yan Shoshitaishvili at (yans@asu.edu)

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) at <https://www.asu.edu/aad/manuals/acd/acd401.html> and the Title IX statement at <https://www.asu.edu/titleIX/>

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf> You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Arizona State University

Professor (All Ranks) in Distributed Data and Computing

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seek applicants for a tenure-track/tenured faculty position in "Distributed Data and Computing" in the School of Computing, Informatics, and Decision Systems Engineering (CIDSE). This search will target

scientists and engineers with research into designing distributed systems for acquiring, storing, and processing real-time, large-scale, and multi-modal data and developing distributed machine learning and consensus tools to convert data into actionable information and knowledge. Areas of interest include applied and theoretical innovations in distributed data management and analysis, distributed/decentralized consensus, and distributed operating and networking systems. Candidates with application interest in one or more of our key research thrust areas of BlockChain, IoT, Health, and Sustainability are particularly encouraged to apply.

CIDSE currently houses several ASU Centers – including Center for Assured and Scalable Engineering (CASCADE) <https://cascade.asu.edu/>, Center for Accelerating Operational Efficiency (CAOE) <https://cao.e.asu.edu/>, Center for Cybersecurity and Digital Forensics (CDF) <https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics>, Center for Embedded Systems (CES) <https://fulton.sp10.asu.edu/cidse/CES/SitePages/Home.aspx>, and Center for Biocomputing, Security and Society (CBSS) <https://biodesign.asu.edu/biocomputing-security-and-society> – and have a large number of faculty working on a variety of relevant topics that include data management, distributed algorithms and systems, cloud and high performance computing, cybersecurity, network algorithms and optimization, self-organizing and self-stabilizing distributed systems, bio-inspired

collective algorithms, survivable networks, IoT, blockchain, machine learning, and AI. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

Required qualifications: Earned doctorate or equivalent in computer science, computer engineering, or a closely related field by the time of appointment and demonstrated evidence of excellence in research and teaching as appropriate to the candidate's rank. Desired qualifications: Commitment to teaching at both the graduate and the undergraduate levels, evidence of commitment to a diverse academic environment, and potential (for junior applicants) or evidence (for senior applicants) for establishing an externally funded research program, as appropriate to the candidate's rank.

We seek applicants who will contribute to our programs and expand collaborations with existing faculty at ASU. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates

will be encouraged to expand expertise and collaborations in these areas. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing, Informatics, and Decision Systems Engineering is currently the most involved in the interest areas of this research.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2020.

Application reviews will begin on December 16, 2019. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. Apply at <https://hiring.engineering.asu.edu/>. Candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter
- Current CV
- Statement describing research interests
- Statement describing teaching interests
- (Optional) A short diversity statement
- Contact information for at least three references

For further information or questions about this position please contact Professor K. Selcuk Candan at (candan@asu.edu)

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All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) at <https://www.asu.edu/aad/manuals/acd/acd401.html> and the TitleIX statement at <https://www.asu.edu/titleIX/>

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Arizona State University

Professor (all ranks) in Urban Health Engineering & Data Analytics

The Biodesign Institute and the Ira A. Fulton Schools of Engineering (IAFSE) invite applications for a full-time, tenure-track position to be primarily affiliated with the Biodesign Center for Environmental Health Engineering (CEHE). Expertise is sought in analyzing large temporal and spatial datasets on environmental quality and human health using tools such as machine learning, geographic information systems (GIS) informed epidemiology, wastewater-based epidemiology, and/or real-time sensors for assessing environmental quality and population health in the urban built environment. Outstanding

candidates with an interest in the use of population health data, sensor development/deployment as well as artificial intelligence and machine learning for interpreting large, health-related datasets are particularly encouraged to apply.

Appointments will be at the rank of Assistant, Associate or Full Professor, depending on the applicant's qualifications. The Center for Environmental Health Engineering (CEHE) works to protect human health and critical ecosystems by detecting, minimizing and ultimately eliminating harmful chemical and biological agents through early threat detection and the implementation of cost-effective engineering, clinical and policy interventions. The Center currently features three faculty with interdisciplinary expertise in analytical chemistry, biomedical informatics, risk assessment, microbiology and bioengineering. The tenure home for this position will be in one of the Ira A. Fulton Schools of Engineering. The School of Sustainable Engineering and the Built Environment and the School of Biological and Health Systems Engineering are the schools most engaged in the areas of interest for this position.

Qualifications:

Required Qualifications:

- PhD or equivalent in a health-related engineering or computer science discipline, the biological sciences, biomedical informatics, epidemiology or a

closely related field by the time of appointment.

- Demonstrated evidence of research capability and commitment to teaching excellence as appropriate to the candidate's rank.
- Demonstrated ability to procure sponsored research and generate scholarly articles in the interest areas of the search, as appropriate to the candidate's rank.
- Strong written and oral communication skills.

Desired Qualifications:

Professional engineering licensure or the ability to obtain registration in a timely manner

For associate and full professor candidates:

- Demonstrated record of publishing high-quality scholarly articles.
- Demonstrated record of securing external funding for research programs.
- Demonstrated record of excellence in teaching that incorporates active learning.

The successful candidate is expected to contribute to the growth and success of CEHE and the academic programs in the tenure-home school in the Ira A. Fulton Schools of Engineering, and to participate in interdisciplinary research and teaching endeavors both within IAFSE and across campus. Opportunities to engage in transdisciplinary research include possible collaborations with faculty in the School of Life Sciences, School for the Future

of Innovation in Society, and the School of Sustainability as well as University initiatives and centers such as ASU Lightworks <https://sustainability.asu.edu/lightworks/>.

The Biodesign Institute addresses today's critical global challenges in healthcare, sustainability, and security by developing solutions inspired from natural systems and translating those solutions into commercially viable products and clinical practices.

Arizona State University is a new model for American higher education, an unprecedented combination of academic excellence, entrepreneurial energy and broad access. This New American University is a single, unified institution comprising four differentiated campuses positively impacting the economic, social, cultural and environmental health of the communities it serves. Its research is inspired by real-world application blurring the boundaries that traditionally separate academic disciplines. ASU serves more than 80,000 students in metropolitan Phoenix, Arizona, the nation's fifth-largest city. ASU champions intellectual and cultural diversity, and it welcomes students from all fifty states and more than one hundred nations across the globe. ASU is in the Phoenix metropolitan area and is one of the largest universities in the U.S.

Application Instructions

Application deadline is December 16, 2019. Applications will continue to be accepted on a rolling basis for a reserve

pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. A background check is required for employment. To apply, visit <https://hiring.engineering.asu.edu> and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following information:

- Cover letter
- Comprehensive curriculum vitae including a complete publication record
- Statement of research vision and plans (2 pages maximum)
- Statement of teaching philosophy/ experience (2 pages maximum)
- Contact information (including email addresses) for 3-5 references (typically past or current supervisors, colleagues, or PhD advisors)

For more information or questions about this position, please contact the search committee chair Professor Rolf Halden (rolf.halden@asu.edu).

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. ASU's full non-discrimination statement (ACD 401) is located on the ASU website at <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>.

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Arizona State University The Biodesign Institute and the Ira A. Fulton Schools of Engineering:

*School of Sustainable Engineering and
the Built Environment*

*Professor (all ranks) in Urban Health
Engineering & Data Analytics*

*Location: Arizona State University -
Tempe Campus*

The Biodesign Institute and the Ira A. Fulton Schools of Engineering (IAFSE) invite applications for a full-time, tenure-track position to be primarily affiliated with the Biodesign Center for Environmental Health Engineering (CEHE).

Application deadline is **December 16, 2019**. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. For complete qualification/application information, see <https://hiring.engineering.asu.edu>.

Arizona State University is a VEVRAA

Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. ASU's full non-discrimination statement (ACD 401) is located on the ASU website at <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf> You may request a hard copy of the report by contacting the ASU Police Department at (480) 965-3456.

Barnard College

Assistant Professor in Computer Science

Barnard seeks to hire a tenure-track assistant professor in Computer Science for the academic year beginning July 1, 2020.

Barnard is a premier liberal arts undergraduate college for women in New York City affiliated with Columbia University. There are many opportunities to collaborate with faculty in the larger research community at Barnard College and Columbia. Barnard's Computer Science (CS) Program works closely with the Vagelos Computational Science Center, with the Columbia CS Department, and with other Barnard faculty. The

initial goals of the CS program are to enhance the experience of Barnard CS majors through activities that develop community, provide academic support, and connect to CS-related opportunities outside the classroom; to serve all Barnard students by expanding the use of computation and data analysis across disciplines, through both curricular offerings and other programming such as workshops or support for computational labs associated with courses in other departments; and to build visibility for Barnard CS nationally, through research, curricular and pedagogical advances in CS and its multidisciplinary applications, and new models for engaging students and enhancing diversity in computing.

Barnard faculty are expected to engage in teaching, research, curriculum and program development, undergraduate advising, and mentoring of undergraduate research. There is an opportunity to collaborate with faculty and students at both Barnard and at Columbia. The position is open to all areas of computer science as well as to multidisciplinary scholars with a significant computational focus. We encourage candidates who take a multidisciplinary approach, whether across multiple subareas of computer science or with research connections to another discipline. Candidates must have a PhD in Computer Science or a related discipline and should have a promising research agenda and record of scholarship, as well as a demonstrated commitment to undergraduate teaching, mentoring, and/or increasing diversity in computer science.

Applications should be submitted electronically at <http://careers.barnard.edu/postings/4850> and should include a cover letter; a curriculum vitae; a research statement highlighting past experiences and future plans; a teaching, mentoring, and diversity statement describing teaching, mentoring, and diversity philosophy, experiences, and interests; contact information for three references; and up to three pre/reprints of scholarly work. For questions about the position, please contact Rebecca Wright, director of Barnard's Computer Science program, at chair-cs@barnard.edu. Review of applications will begin immediately and continue until the position is filled.

Barnard College is an Equal Opportunity Employer and is actively committed to creating a diverse and inclusive community. We especially encourage applications from women, people of color, persons with disabilities, LGBTQ people, and individuals from other underrepresented groups.

Barnard College

Roman Family Teaching and Research Fellow in Computer Science

Barnard seeks to hire a recent Ph.D. graduate as an endowed Roman Family Teaching and Research Fellow in Computer Science at Barnard for the academic year beginning July 1, 2020.

Barnard is a premier liberal arts undergraduate college for women in New York City affiliated with Columbia

University. There are many opportunities to collaborate with faculty in the larger research community at Barnard College and Columbia. Barnard's Computer Science (CS) Program works closely with the Vagelos Computational Science Center, with the Columbia CS Department, and with other Barnard faculty. The initial goals of the CS program are to enhance the experience of Barnard CS majors through activities that develop community, provide academic support, and connect to CS-related opportunities outside the classroom; to serve all Barnard students by expanding the use of computation and data analysis across disciplines, through both curricular offerings and other programming such as workshops or support for computational labs associated with courses in other departments; and to build visibility for Barnard CS nationally, through research, curricular and pedagogical advances in CS and its multidisciplinary applications, and new models for engaging students and enhancing diversity in computing.

The Roman Family Teaching and Research Fellow in Computer Science position is a full-time two-year position with the option of extending for a third year. Fellows will engage in teaching (two courses per year) and in research, and will be expected to participate in curriculum and program development, undergraduate advising, and mentoring of undergraduate research. The position is open to all areas of computer science as well as to multidisciplinary scholars with a significant computational focus. We encourage candidates who take a multidisciplinary approach, whether across multiple subareas of

computer science, or with another discipline. Candidates must have a PhD in Computer Science or a related discipline by the start date, and should have a promising research agenda and record of scholarship and a demonstrated commitment to undergraduate teaching, mentoring, and/or increasing diversity in computer science. Fellows will be encouraged to interact with and collaborate with faculty and students at Barnard and at Columbia.

Applications should be submitted electronically at <http://careers.barnard.edu/postings/4869> and should include a cover letter; a curriculum vitae; a research statement highlighting past experiences and future plans; a teaching, mentoring, and diversity statement describing teaching, mentoring, and diversity philosophy, experiences, and interests; contact information for three references; and up to three pre/reprints of scholarly work. For questions about the position, please contact Rebecca Wright, director of Barnard's Computer Science program, at chair-cs@barnard.edu. Review of applications will begin February 1, 2020 and continue until the position is filled.

Barnard College is an Equal Opportunity Employer and is actively committed to creating a diverse and inclusive community. We especially encourage applications from women, people of color, persons with disabilities, LGBTQ people, and individuals from other underrepresented groups.

Bates College

Program in Digital and Computational Studies

Associate or Full Professor

Bates College invites applications for a tenured position in Digital and Computational Studies, to begin August 2020.

For additional information and to apply, please visit: <https://apply.interfolio.com/70840>

State University of New York at Binghamton

Department of Computer Science

<http://cs.binghamton.edu>

The Computer Science Department at Binghamton University has three tenure-track assistant professor positions beginning Fall 2020. Applicants should have a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to research and teaching. Qualified applications are invited from candidates with specializations in the areas of Artificial Intelligence (deep learning, computer vision, NLP, knowledge management and reasoning) and cybersecurity/computer architecture. Outstanding candidates in other systems areas will also be considered.

Further details and application information are available at:

<https://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=118661>

Applications will be reviewed until positions are filled. First consideration will be given to applications received by **January 15, 2020**.

Binghamton University is an Equal Opportunity/Affirmative Action/Disability/Veterans Employer.

Boston University

Associate Professor of the Practice

The Department of Computer Science invites applications for an Associate Professor of the Practice position beginning July 1, 2020, pending budgetary approval. Qualifications required of all applicants include a Ph.D. in Computer Science or related discipline, a strong professional record and industry experience, and a commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates with interests in foundations of algorithms and systems, and application areas including data science, artificial intelligence, machine learning, databases, and distributed programming.

The Department consists of a diverse group of 31 tenured and tenure-track faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, graphics, image and video computing, machine learning, natural language processing, networking, distributed systems, operating systems, software design

and implementation, real-time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department collaborate closely with faculty across the university including mathematics and statistics, computer engineering, mechanical engineering, biology, earth and environment, economics, law, medicine, among others. Candidates are encouraged to demonstrate throughout their application their attention to diversity and inclusion as these topics relate to teaching, research, and engagement within the academic environment.

Review of applications will begin on November 1, 2019 and continue on a rolling basis. Additional information of the Department is available at <http://www.bu.edu/cs>. Qualified applicants should apply at <https://academicjobsonline.org/ajo/jobs/14829>.

Boston University expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly community (<https://www.bu.edu/info/about/diversity/>). Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a Ph.D. to a woman and of our record of inclusiveness. The College of Arts and Science includes diversity as one of five strategic goals. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of Computer Science by

underrepresented groups at BU and beyond. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

Brandeis University

Tenure-Track Faculty Search in Economics and Computer Science

The Department of Economics and Department of Computer Science in the School of Arts and Sciences at Brandeis University invite applications for a position at the rank of Associate Professor with tenure or tenure-track Assistant Professor beginning in Fall 2020, subject to budgetary approval. The position is a joint appointment in both departments.

We seek applicants whose research focuses on developing and/or applying machine learning techniques to economic problems. The ideal senior candidate will have a strong publication record, demonstrated success in obtaining external funding and a commitment to teaching excellence at both the undergraduate and graduate levels. The ideal junior candidate will have some academic work experience and demonstrated potential in high-quality research and teaching. Candidates with expertise in Bayesian learning and big data are preferred but candidates with

other areas of expertise are encouraged to apply. The teaching load is two courses per year.

Interested candidates should submit a curriculum vitae, a cover letter expressing interest, no more than three samples of recent papers, and contact information of writers for three letters of recommendation electronically via Academic Jobs Online: <https://academicjobsonline.org/ajojobs/14832>.

Questions about the position can be directed to cosi-econ-search@brandeis.edu. Priority will be given to applications arriving before November 25, 2019. At the core of Brandeis University's history and mission is a commitment to diversity, equity, and inclusion. We encourage applicants to address in their cover letter how their work could promote these values. As an affirmative action, equal opportunity employer, we value candidates, including those with social identities underrepresented in higher education, who can help build a pluralistic, unified, and just campus community.

Brandeis University

Computer Science Department, Tenure-line Assistant or Associate Professor

The Department of Computer Science invites applications for a tenure-track assistant professor or tenured associate professor position beginning Fall 2020. Qualifications required of all applicants should include a Ph.D. before the appointed date, in Computer Science or a related discipline, a strong research

record, and a commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates pursuing research in the broad area of data, discovery and decision making including machine learning, computer vision and data visualization with cross-disciplinary applications driven by large-scale data, such as bioinformatics, computational arts, digital humanities, fintech, human-computer interaction, intelligent chemistry, intelligent education, personalized Medicare, and smart materials. This position is subject to budgetary approval.

The Department consists of a diverse group of 14 tenured and tenure-track faculty members, and offers programs leading to B.A./B.S., M.S., and Ph.D. degrees. The Department has research strengths in computational linguistics, data mining, machine learning, networking, distributed systems, operating systems, databases, algorithms, and software design and implementation.

In addition, members of the Department collaborate closely with faculty across the university including mathematics, linguistics, biology, neuroscience, economics, physics, politics, among others. Candidates are encouraged to demonstrate throughout their application an attention to diversity and inclusion as these topics relate to teaching, research, and engagement within the academic environment. At the core of Brandeis University's history and mission is a commitment to diversity, equity, and inclusion. As an affirmative action, equal opportunity

employer, we value candidates, including those with social identities underrepresented in higher education, who can help build a pluralistic, unified, and just campus community.

Applicants should include a CV, research statement, teaching statement, diversity statement and at least three reference letters for full consideration. First consideration will be given to applications received by December 10, 2019. Additional information about the Department is available at <https://www.brandeis.edu/computer-science/undergraduate/index.html>. Qualified applicants should apply at <https://academicjobsonline.org/ajojobs/15061>. Questions about the position can be directed to cs-faculty-search@brandeis.edu.

Brown University

Assistant Professor of Data Science

The *Data Science Initiative* at Brown University seeks applications for several tenure-track assistant professor positions in data science, to start July 1, 2020. Successful candidates will have a joint appointment with DSI and a tenure home in a Brown department.

A strong research record and teaching skills are required. We seek candidates who work on the foundations of data science, investigate the societal impact of data science, or have a strong interdisciplinary orientation. We are particularly interested in candidates who work in machine learning (broadly interpreted), data-driven systems

modeling, network science, and data visualization, and who can connect with the departments of applied mathematics, biostatistics, computer science, mathematics, or other relevant units at Brown. Please find complete details and apply for these positions on Interfolio: apply.interfolio.com/68207

Brown University

Faculty Positions Available

The Department of Computer Science at Brown University is hiring tenure-track faculty at all levels. These positions are a part of a major expansion plan for the department as it works to increase its faculty roster by close to 50% over a five-year period. While many of these positions will be used to strengthen and expand core CS areas, some will be used to build bridges with other campus disciplines to facilitate interdisciplinary research and teaching. The department is particularly interested in candidates whose research addresses at least one of the following:

- machine perception
- theoretical computer science, especially design and analysis of algorithms
- computer science education
- algorithmic fairness, accountability, and transparency with application to broader social issues.

We will also consider additional areas of department need. Applicants whose research may relate to our other open position in Data Science (apply.interfolio.com/68207) are encouraged to apply to both searches.

The department has 31 tenure-stream and 3 research faculty members, 2 lecturers, and several adjunct and visiting faculty members. In addition to its strong graduate program, the department has a strong undergraduate culture, anchored by a mature, endowed program for undergraduate teaching and research assistants. Department members frequently take advantage of Brown's interdisciplinary culture via collaborations with numerous other Brown units including Applied Mathematics, Biology, Brain Sciences, Cognitive Linguistic and Psychological Sciences, Economics, Engineering, Mathematics, Medicine, Public Health, Public Policy, and Visual Arts, as well as the Rhode Island School of Design. CS is a founding partner and plays key roles in major university-wide programs and initiatives including Data Science, Humanity Centered Robotics, Cybersecurity, and Computational and Molecular Biology.

Brown University is committed to fostering a diverse, inclusive, and global academic community. As an EEO/AA employer, Brown considers applicants for employment without discrimination on the basis of gender, race, protected veteran status, disability, or any other legally protected status. The department is similarly committed to building a diverse faculty and strongly encourages women, underrepresented minorities and those who can contribute to the excellence, diversity, and inclusivity of our academic community. We strongly encourage the candidates to report any

relevant experience, including work with diverse constituents, and plans in their teaching statements or in a separate diversity statement.

Brown University is located in Providence, RI, an hour from Boston and about three hours from New York City, both accessible via frequent rail service, and close to Narragansett Bay. Providence has been consistently rated among the Northeast's most livable cities and is home to diverse intellectual, artistic, and business communities.

Junior applicants must have completed all requirements for the doctoral degree by the start of the position. The initial appointment as assistant professor is for four years and is renewable. Applicants for a junior position must submit three letters of reference, and applicants for senior positions should submit five names of references whom the committee may contact. Please provide a diversity statement, in which you summarize your past or planned contributions to diversity and inclusion. These contributions may arise from teaching/mentoring, outreach activities, lived experience, or other activities. (For additional information about the university's and department's commitment to diversity and inclusion, see <https://www.brown.edu/about/administration/institutional-diversity/pathways> and <https://cs.brown.edu/about/diversity/>.) We are eager to try to accommodate the needs of, and welcome applications from, dual career couples.

Applications will be considered until the position(s) are filled but we strongly

encourage the candidates to submit complete applications (including reference letters) by December 15, 2019 for full consideration.

We will start application reviews and interviewing immediately and highly encourage early applications. Applicants who would like confidentiality should explicitly mention this desire in the first paragraph of their cover letters. To apply, please use Interfolio: (<https://apply.interfolio.com/70568>).

Inquiries may be addressed to: faculty_search_2020@lists.cs.brown.edu

Brown University

Lecturer in Data Science

Brown University's Data Science Initiative (DSI) seeks applicants for a lecturer, senior lecturer, or distinguished senior lecturer. The initial appointment is for a 3-year period (renewable with potential for promotion and longer-term contracts). The position involves teaching four courses per year and providing administrative or advising support for student programs. We seek candidates who will contribute to our overall intellectual culture. Lecturers with substantial research participation and supporting funds may be eligible for periodic course release.

Please see our Interfolio posting for more details and to apply. <https://apply.interfolio.com/70943>

California Polytechnic State University, San Luis Obispo

Department of Computer Science and Software Engineering

Tenure-Track Positions - Software Engineering & Computer Science Education

Assistant/Associate Professor in Computer Science: The Computer Science and Software Engineering Department within the College of Engineering at Cal Poly State University, San Luis Obispo, CA invites applications for two full-time, tenure-track Computer Science faculty positions at the Assistant or Associate Professor rank beginning Fall Quarter 2020. Positions offered are Software Engineering requisition # 494387 and Computer Science Education requisition #494388. Rank and salary are commensurate with qualifications and experience. Qualified candidates with industry experience are encouraged to apply.

The College of Engineering at Cal Poly is committed to building a diverse faculty of teacher-scholars who collaborate to provide a multidisciplinary and hands-on approach to student learning and applied research. We believe that individuals from diverse backgrounds strengthen our programs and positively impact student success. We encourage qualified applicants from all backgrounds to apply for consideration.

Duties include teaching undergraduate and master's level courses, supporting

and expanding curricular development in Computer Science and Software Engineering, pursuing research in one's area of expertise, and providing service to the department, the university, and the community.

Review Begins January 1, 2020

For full details, visit jobs.calpoly.edu.

Cal Poly emphasizes Learn by Doing which involves extensive lab work and projects in support of theoretical knowledge. To this end, the Computer Science and Software Engineering Department maintains an array of modern computing facilities and specialized labs for instructional and faculty support.

At California Polytechnic State University, San Luis Obispo, we believe that cultivating an environment that embraces and promotes diversity is fundamental to the success of our students, our employees and our community. Bringing people together from different backgrounds, experiences and value systems fosters the innovative and creative thinking that exemplifies Cal Poly's values of free inquiry, cultural and intellectual diversity, mutual respect, civic engagement, and social and environmental responsibility. Cal Poly's commitment to diversity informs our efforts in recruitment, hiring and retention. California Polytechnic State University is an affirmative action/equal opportunity employer.

California Polytechnic State University

Assistant or Associate Professor - Cybersecurity

The Computer Science and Software Engineering Department at California Polytechnic State University, San Luis Obispo, invites applications for a full-time, tenure-track Computer Science faculty positions at the Assistant or Associate Professor rank beginning Fall Quarter 2020. Rank and salary are commensurate with qualifications and experience. Qualified candidates with industry experience are encouraged to apply.

The College of Engineering at Cal Poly is committed to building a diverse faculty of teacher-scholars who collaborate to provide a multi-disciplinary and hands-on approach to student learning and applied research. We believe that individuals from diverse backgrounds strengthen our programs and positively impact student success. We encourage qualified applicants from all backgrounds to apply for consideration. Duties include teaching undergraduate and master's level courses, enriching the curricula with new courses in computer security, conducting research, and providing service to the department, the university, and the community. Particular areas of interest include: software security, malware analysis, reverse engineering, mobile security and web security. Cal Poly emphasizes Learn by Doing which involves extensive lab work and projects in support of theoretical knowledge. To this end, the Computer Science and Software Engineering Department maintains an

array of modern computing facilities and specialized labs for instructional and faculty support. In particular, Cal Poly supports two cutting-edge laboratories dedicated to teaching and conducting research in computer security. In addition, a university-wide Center for Cybersecurity has been established for the continued development of the university's capabilities in cybersecurity research and education. A new cybersecurity training facility to be located at Camp San Luis Obispo is in development, which operates under the auspices of the California National Guard. Cal Poly will serve as a partner in the upcoming facility, and collaborative efforts from computer science faculty will be desirable. At California Polytechnic State University, San Luis Obispo, we believe that cultivating an environment that embraces and promotes diversity is fundamental to the success of our students, our employees and our community. Bringing people together from different backgrounds, experiences and value systems fosters the innovative and creative thinking that exemplifies Cal Poly's values of free inquiry, cultural and intellectual diversity, mutual respect, civic engagement, and social and environmental responsibility.

Please apply for this position here:

jobs.calpoly.edu

Cal Poly's commitment to diversity informs our efforts in recruitment, hiring and retention. California Polytechnic State University is an affirmative action/equal opportunity employer.

California State University Northridge

Assistant Professor - Department of Computer Science

California State University Northridge, Department of Computer Science invites applications for three tenure-track Assistant Professor positions. Applicants must have an earned doctoral degree in Computer Science or a closely related field. Qualifications: Ability to teach a broad range of courses in the areas of computer science and information technology are necessary and specialization in Cybersecurity, Computer Graphics, Systems, Computational Data Science, Cloud Computing, or Software Engineering is desired. Excellent candidates with specialization in other areas will be considered. Applicants must demonstrate a commitment to work with a diverse student population.

California State University, Northridge, one of the largest of the 23 campuses of The California State University system, is located twenty-five miles northwest of central Los Angeles in the San Fernando Valley, a suburb with a multi-cultural population of over one million people. CSUN is an EEO/AA employer.

Priority will be given to applications received by November 1, 2019.

Further details:

<http://www.csun.edu/engineering-computer-science/computer-science/faculty-openings>

Case Western Reserve University

Department Chair and Kranzusch Professorship Department of Computer and Data Sciences

The Case School of Engineering at Case Western Reserve University (CWRU) invites applications and nominations for the inaugural Chair of the Department of Computer and Data Sciences. Appointment will be at level of Professor with tenure, and the endowed Kranzusch Professorship has been reserved for the successful applicant. The appointment will ideally begin August 2020.

The Department of Computer and Data Sciences was formed in 2019 out of the *Department of Electrical Engineering and Computer Science*. CWRU seeks an outstanding leader with the skills and vision to strengthen and extend existing research and educational programs in fundamental computer and data sciences, as well as catalyze broader interdisciplinary programs around applications of computer and data sciences.

Computing and data sciences will play a central role in interdisciplinary research and education throughout the university. CWRU is a comprehensive university that includes, in addition to the Case School of Engineering, the College of Arts and Sciences and Schools of Medicine, Nursing, Dentistry, Applied Social Sciences, Management and Law. Interdisciplinary opportunities are also available with the Great Lakes Energy Institute, Institute for Computational Biology and the Institute for Smart,

Secure, and Connected Systems; as well as our four affiliated hospitals: University Hospitals Cleveland Medical Center, Cleveland Clinic, MetroHealth Medical Center, and the Louis Stokes Cleveland VA Medical Center.

Applicants must have an earned doctorate in computer science or a related field, with a distinguished record of continuous scientific achievement, demonstrated leadership and collaborative skills, and a commitment to the education and mentorship of both students and faculty.

Serving as the executive officer of the Department, the Department Chair reports directly to the Dean of the Case School of Engineering. The Department Chair is expected to serve for a minimal initial term of 5-years with the opportunity for reappointment. The Department Chair is expected to provide leadership in the visioning of the department and the development of new initiatives, in addition to all matters of department policy, including appointments, promotions, instruction, research and administration.

Applicants should include a cover letter, curriculum vitae, statement of professional accomplishments, and vision for a computer and data sciences department. Applications should be submitted to: CDS_ChairSearch@case.edu. Initial screening of applications will begin December 6, and will continue until an appointment is made.

In employment, as in education, Case Western Reserve University is

committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants desiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Inclusion, Diversity and Equal Opportunity at 216- 368-8877. Determinations regarding granting accommodations will be made on a case-by-case basis.

The Chinese University of Hong Kong

Professors / Associate Professors / Assistant Professors

Applications are invited for:

Department of Computer Science and Engineering
Professors / Associate Professors / Assistant Professors
(Ref. 190002DS)

The Department of Computer Science and Engineering, Faculty of Engineering at The Chinese University of Hong Kong is vigorously hiring faculty members in Computer Science and Computer Engineering to pursue new strategic research initiatives and to fill up vacant positions within current strengths.

Applicants should have (i) a PhD degree; and (ii) a good scholarly record demonstrating (potential for) teaching and research excellence. Applicants of all levels are

encouraged to apply. Applicants in the following areas are particularly welcome:

Computer Science:

- Artificial intelligence and machine learning
- Bioinformatics
- Computer system security or cybersecurity
- Data analytics or data science
- Image processing, computer graphics, AR/VR

Computer Engineering:

- Cyber-physical systems and Internet of things
- Energy-efficient acceleration for Recognition, Mining and Synthesis (RMS) applications
- Hardware and embedded security
- Smart hardware for human-machine interaction

Appointees will be expected to (a) teach both undergraduate and postgraduate courses; (b) supervise postgraduate students; (c) develop a significant independent research programme with external funding, and (d) perform service duties for the Department/Faculty/ University.

Appointments will normally be made on contract basis for up to three years initially commencing August 2020, which, subject to performance and mutual agreement, may lead to longer-term appointment or substantiation later. Substantive appointment may be considered for outstanding candidates with proven records. The rank and start date will be negotiated with the successful candidates.

Further information about the Department of Computer Science and Engineering, please visit <http://www.cse.cuhk.edu.hk>.

Applications will be accepted until the posts are filled.

Application Procedure

Applicants please upload full CV, copies of academic credentials, publication list with abstracts of selected published papers, details of courses taught and evaluation results (if available), a research plan, a teaching statement, together with names, addresses and e-mail addresses of at least three referees to whom the applicants' consent has been given for their providing references.

The University only accepts and considers applications submitted online for the posts above. For more information and to apply online, please visit <http://career.cuhk.edu.hk>.

Colby College

Open Rank Tenure-Track Position in Computer Science

Colby College invites applications for an open rank tenure-track position in Computer Science, to start on September 1, 2020. Applicants must hold, or be close to completing, a Ph.D. in computer science, computer engineering, or a related area. We welcome applications from all research and teaching areas of expertise.

For more information and required materials, see cs.colby.edu. Review of applications will begin on 15 January 2020 and will continue until the position is filled.

Colby is a private, coeducational liberal arts college that admits students and makes employment decisions on the basis of the individual's qualifications to contribute to Colby's educational objectives and institutional needs. Colby College does not discriminate on the basis of race, color, gender, sexual orientation, gender identity or expression, disability, religion, ancestry or national origin, age, marital status, genetic information, or veteran's status in employment or in our educational programs.

Colby is an Equal Opportunity employer, committed to excellence through diversity, and encourages applications from qualified persons of color, women, persons with disabilities, military veterans and members of other under-represented groups. Colby complies with Title IX, which prohibits discrimination on the basis of sex in an institution's education programs and activities. Questions regarding Title IX may be referred to Colby's Title IX coordinator or to the federal Office of Civil Rights. For more information about the College, please visit our website: www.colby.edu

Colby College

Visiting Assistant Professor

Colby College invites applications for a Visiting Assistant Professor position in Computer Science, to start on September 1, 2020. Applicants must hold, or be close to completing, a Ph.D. in computer science, computer engineering, or a related area. We welcome applications from all research and teaching areas of expertise.

For more information and required materials, see cs.colby.edu. Review of

applications will begin on 15 January 2020 and will continue until the position is filled.

Colby is a private, coeducational liberal arts college that admits students and makes employment decisions on the basis of the individual's qualifications to contribute to Colby's educational objectives and institutional needs. Colby College does not discriminate on the basis of race, color, gender, sexual orientation, gender identity or expression, disability, religion, ancestry or national origin, age, marital status, genetic information, or veteran's status in employment or in our educational programs. Colby is an Equal Opportunity Employer, committed to excellence through diversity, and encourages applications from qualified persons of color, women, persons with disabilities, military veterans and members of other under-represented groups. Colby complies with Title IX, which prohibits discrimination on the basis of sex in an institution's education programs and activities. Questions regarding Title IX may be referred to Colby's Title IX coordinator or to the federal Office of Civil Rights. For more information about the College, please visit our website: www.colby.edu

Colorado School of Mines

Faculty Positions Available -Department of Computer Science

Do you like blue sky and sunshine? What about mountains and outdoor activity? Or maybe you enjoy working with students who are extremely engaged and talented?

Join the Department of Computer Science at Colorado School of Mines (CS@Mines) and have it all! CS@Mines invites applications for both tenured/tenure track and teaching faculty!

T/TT Faculty: CS@Mines has multiple tenured/tenure-track faculty positions available (open rank). Research specializations of interest include artificial intelligence/machine learning, human-computer interaction, cybersecurity, data management, and quantum computing. For more information: <https://jobs.mines.edu/cw/en-us/job/493960/computer-science-open-rank-tenuretenuretrack-faculty>

Teaching Faculty: CS@Mines has multiple teaching faculty positions available (open rank). Each successful candidate must be able to teach a variety of computer science core and elective courses. Candidates should also plan to support departmental recruiting efforts, coordinate multi-section courses, and participate in curriculum innovations and improvements. For more information: <https://jobs.mines.edu/cw/en-us/job/493959/computer-science-teaching-faculty-and-professors-of-practice>

Mines: Colorado School of Mines is located in picturesque Golden, in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. More information about the CS Department can be found at <http://cs.mines.edu>.

Evaluation of applicants will be reviewed on an on-going basis and continue until the positions are filled.

Colorado State University

Web Developer - Research Associate I

The Department of Civil and Environmental Engineering at Colorado State University (CSU) is seeking an experienced developer to build and deploy web applications to support the projects with the One Water Solutions Institute (OWSI). These applications include web-based interactions with geospatial databases, statistical summarization, visualization, integration of environmental models, and report generation capabilities. The development and deployment of the tools build on two CSU technologies: Cloud Services Integration Platform (CSIP) and environmental Resource Assessment and Management System (eRAMS). Candidates must have strong programming experience with an interest in product design and have coded programs in HTML/JavaScript (React), Python, Java and SQL. The individual will work closely with OWSI staff.

Additional position details and application materials can be accessed here: <https://jobs.colostate.edu/postings/73352>

Columbia University

Faculty Positions - Open Rank, Department of Computer Science

The Department of Computer Science at Columbia University in New York City invites applications for tenured or tenure-track faculty positions. One or more appointments at the Assistant Professor, Associate Professor, and Full Professor levels will be considered.

The successful candidate should contribute to the advancement of the Department by developing an externally funded research program, being a thought leader in the profession, contributing to the undergraduate and graduate educational mission of the Department and providing active service to professional societies. The Department is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

Candidates are sought in all areas of Computer Science. Candidates at the Assistant Professor and Associate Professor levels without tenure must have the potential to do pioneering research and to teach effectively. Candidates at the tenured level (Associate or Full Professor) must have a demonstrated record of outstanding research accomplishments, excellent teaching credentials and established leadership in the field.

The successful candidate is expected to contribute to the advancement of their field and the department by developing an original and leading externally funded research program, and to contribute to the undergraduate and graduate educational mission of the Department. Columbia fosters multidisciplinary research and encourages collaborations with academic departments and units across Columbia University. The Department is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

Applications should be submitted electronically at: <http://pa334.peopleadmin.com/postings/4414>. Review of applications begins December 1st, 2019. Positions will remain open until filled. We encourage applicants to consult the Department Website for more information about the Department of Computer Science.

Columbia University is an Equal Opportunity/Affirmative Action / Disability / Veteran employer.

Columbia University

Staff Associate

The Department of Computer Science is looking for a professional to conduct and support research. Candidates must have demonstrated the ability to conduct research independently, e.g. by publications in peer-reviewed journals and conferences, and to design, implement and analyze research prototypes. Experience supporting larger research projects is helpful.

Applications accepted online only at <http://pa334.peopleadmin.com/postings/2674>

Columbia University is an Equal Opportunity/Affirmative Action Employer - Disability/Veteran

Columbia University

Lecturer in Discipline - Computer Science

The Department of Computer Science at Columbia University in the City of New York invites applications for faculty at the rank of Lecturer in Discipline beginning in the 2019- 20 academic year. Lecturers

in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. Lecturers in the department enjoy voting rights at faculty meetings, serve on department committees, and earn a Dean's Leave sabbatical on a timeline similar to that of tenure-track faculty. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong undergraduate and graduate programs. Teaching responsibilities for lecturers include courses throughout the computer science curriculum, from introductory to graduate level courses, with a typical teaching load of two courses per semester.

Applications should be submitted electronically at: <http://pa334.peopleadmin.com/postings/4360> and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on November 11, 2019 and continue until the positions are filled. Candidates must have a PhD or its professional equivalent by the starting date of the appointment.

Columbia University is an Equal Opportunity/Affirmative Action employer - Disability/Veteran

Columbia University

Lecturer in Discipline - Data Science

The Department of Computer Science at Columbia University in the City of New York invites applications for faculty at the rank

of Lecturer in Discipline beginning in the 2019-20 or 2020-21 academic year. Lecturers in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. Lecturers in the department enjoy voting rights at faculty meetings, serve on department committees, and earn a Dean's Leave sabbatical on a timeline similar to that of tenure-track faculty. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong undergraduate and graduate programs. Teaching responsibilities for lecturers include courses throughout the computer science curriculum, from introductory to graduate level courses, with a typical teaching load of two courses per semester.

This particular opportunity is to hire a lecturer with a broad expertise in computer and data systems, with some of the focus on our engineering and applied science degree programs related to data science. Priority for candidates with experience teaching courses such as database systems (data models, relational algebra, SQL, query execution), distributed systems (distributed programming models, failure remediation, consensus protocols), and/or operating systems. Ideal candidates should also have experience with scalable data processing and management systems as well as familiarity with fault tolerant system design. Industry and/or private sector experience is welcomed but not required.

Applications should be submitted electronically at: <http://pa334.peopleadmin.com/postings/4371> and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Reviews of applications will begin on November 11, 2019, and will continue until the positions are filled. Candidates must have a PhD or its professional equivalent by the starting date of the appointment. Part-time adjunct opportunities in this area of expertise may also be available.

Columbia University is an Equal Opportunity/Affirmative Action employer – Disability/Veteran

Columbia University

Columbia Quantum Initiative Open Rank Faculty Position

Columbia Engineering is pleased to invite applications for faculty positions in Quantum Science and Technology. Recruitment for these positions is part of a broad university-level Quantum Initiative that spans multiple schools and departments across Columbia University in the City of New York. Applications at all ranks will be considered.

Applications are sought in all areas of quantum science and technology covering both theoretical and experimental aspects. Particular emphasis is on areas within Computer Science, including

novel computation and communication approaches, programming paradigms, algorithms, and protocols for quantum information applications. Additional areas of interest include novel physical phenomena, electronic/optical materials, devices, circuits and integrated systems for quantum communication, computing, sensing, and metrology.

We are seeking researchers who can benefit from the highly multidisciplinary environment and the state-of-the-art shared facilities/infrastructure within Columbia University such as the Columbia Nano Initiative and the Data Science Institute. The candidate is expected to hold a full or joint appointment in the Departments of Computer Science, Electrical Engineering, Applied Physics and Applied Mathematics, Industrial Engineering and Operations Research, or Mechanical Engineering and is expected to contribute to the advancement of their field, the department(s) and the School by developing an original and leading externally funded research program, establishing strong collaborations in research and education with related disciplines such as Physics and Chemistry, and contributing to the undergraduate and graduate educational mission of the Department(s) and the School. Columbia fosters multidisciplinary research and encourages collaborations with academic departments and units across Columbia University.

Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment.

Applicants for this position must demonstrate the potential to do pioneering research and to teach effectively. The school is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

For additional information and to apply, please see: <https://engineering.columbia.edu/faculty-job-opportunities>.

Applications should be submitted electronically and include the following: curriculum-vitae including a publication list, a description of research accomplishments, a statement of research and teaching interests and plans, contact information for three experts who can provide letters of recommendation, and up to three pre-reprints of scholarly work.

Applications received by December 1, 2019, will receive full consideration. We will accept and review applications after this date.

Applicants can consult <http://www.engineering.columbia.edu> for more information about the school and <http://quantum.columbia.edu> for more information about the Columbia Quantum Initiative.

If interested, please apply here: <https://pa334.peopleadmin.com/postings/4239>

Columbus State University

Professor and/or Program Director of Robotics Engineering

The Department of Earth and Space Sciences (ESS) at Columbus State

University (CSU) invites applications for a full time, tenure track Assistant Professor of Robotics Engineering AND; a full time, tenure track Associate or Full Professor / Program Director of Robotics Engineering Columbus State is leading the region with a new Bachelor's and Master's of Science degree in Robotics Engineering and is one of the few pioneering institutions offering this exciting opportunity with a 4+1 option.

Please visit: <https://hr.columbusstate.edu/employment-opportunities.php> to learn more about these exciting opportunities.

Cornell University

2019-2020 Cornell Information Science Tenure-Track Faculty Search

The Cornell University Department of Information Science (IS) in the college of Computing and Information Science (CIS) has tenure track and tenured faculty positions available at its Ithaca, NY campus. Ithaca, NY is in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a vibrant cultural life and a wide range of sporting and outdoor activities with the pleasures of both city and country close at hand.

Faculty hired in these positions will be members of the IS Department, which spans the Ithaca and New York City campuses; faculty hired in this year's search will have their teaching and research based in Ithaca. The Ithaca IS faculty are located in Cornell's Gates Hall and the department has strong connections with several other units on campus, including Computer Science (also in Gates), Communication, Economics,

Sociology, Science and Technology Studies, Operations Research and Information Engineering, and Cognitive Science.

These connections support the IS Department's mission to advance our understanding of how people and society interact with computing and information. Exceptional candidates in all areas related to the department's current research trajectories will be given serious consideration. These include information ethics, law, and policy; the sociology of organizations and innovation; the history and anthropology of computing and data; technology and equity; the interface of economics and information; digital humanities; computational social science; network science; data science, artificial intelligence, and their implications; information visualization; human-computer interaction (HCI) and user experience; ubiquitous computing and interactive systems; human-agent and human-robot interaction (HRI); computer-supported cooperative work (CSCW) and computer-mediated communication (CMC); social computing; and the intersection of behavioral science and computing. More information about the IS Department is available at <http://www.infosci.cornell.edu>.

Candidates must hold a Ph.D. or equivalent degree by August 2020. Assistant Professor candidates must demonstrate the potential to achieve excellence in research and teaching at both the graduate and undergraduate levels. More senior candidates must have an established record of outstanding research and excellent teaching at both

the graduate and undergraduate levels; salary, rank, and tenure status will be commensurate with qualifications and experience. Cornell University also seeks to meet the needs of dual career couples, with both its own Dual Career program and membership in the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

Candidates should submit a cover letter, curriculum vita (CV), and brief statements of research and teaching interests; the letter, CV, or research statement should identify a small set of their most significant pieces of work. Candidates should also submit a statement of diversity, equity, and inclusion. Diversity and inclusion are a part of Cornell University's heritage; we are a recognized employer and educator valuing AA/EEO, protected veterans, and individuals with disabilities. Fostering an inclusive environment is also a core value of IS and CIS; in line with Cornell's historical commitment to educating "...any person... in any study...", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges. The statement of contribution to diversity, equity and inclusion is an opportunity for candidates to describe how their research, teaching, and/or service will contribute to a diverse, inclusive climate. See <https://facultydevelopment.cornell.edu/department-resources/recruitment/contribution-to-diversity/> for more on the university's commitment to

diversity, inclusion, and equity, including suggestions for what we are looking for in such statements, as well as <https://cis.cornell.edu/diversity> for information about related CIS activities and resources.

The above application materials should be submitted online at <https://academicjobsonline.org/ajo/jobs/14617>, along with the names of at least three people who will provide reference letters. To ensure full consideration, applications should be received by November 1, 2019, but applications will be accepted until all positions are filled. Inquiries about your application may be directed to fac_recruit@infosci.cornell.edu.

Cornell University

2019-2020 Cornell Information Science Full-Time Teaching Faculty Search (Lecturer or Senior Lecturer Title), Ithaca Campus

The Cornell University Department of Information Science (IS) in the College of Computing and Information Science (CIS) invites applications for full-time, long-term Lecturer or Senior Lecturer positions at Cornell's Ithaca campus. Cornell University is located in Ithaca, New York, with a county population of about 100,000 people in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a wide range of cultural activities, sports, and outdoor activities with the pleasures of both city and country close at hand.

IS is located in Cornell's Gates Hall and has strong connections with several other units on campus, including Computer

Science, Communication, Economics, Sociology, Science and Technology Studies, Operations Research and Information Engineering, and Cognitive Science. These connections support the IS Department's mission to advance our understanding of how people and society interact with computing and information.

Teaching faculty hired in these positions will be full-time members of the IS Department; a typical full-time (100%) load for a Lecturer in IS is two courses per semester. Based on candidate qualifications and experience, the initial appointment will be either a three year (Lecturer) or five year (Senior Lecturer) appointment. This is a non-tenure track position, but it is a professional teaching career track with the potential for growth, the expectation of renewal, and eventual promotion for Lecturers. The department offers a competitive salary and benefits package, with lecturers playing a full and active part in departmental life from curriculum design and innovation to participation in wider faculty governance and decision-making. Cornell University also seeks to meet the needs of dual-career couples, with both its own Dual Career program and membership in the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

We are seeking candidates who will contribute to a mix of larger lower- and smaller upper-level undergraduate and masters courses in one or more of the wide range of topics covered by IS. These include information ethics, law, and

policy; the sociology of organizations and innovation; the history and anthropology of computing and data; technology and equity; the interface of economics and information; digital humanities; computational social science; network science; data science, artificial intelligence, and their implications; information visualization; human-computer interaction (HCI) and user experience; ubiquitous computing and interactive systems; human-agent and human-robot interaction (HRI); computer-supported cooperative work (CSCW) and computer-mediated communication (CMC); social computing; and the intersection of behavioral science and computing. More information about the breadth of courses in the department is available at <https://infosci.cornell.edu/courses/list-info-sci-courses>; candidates are also encouraged to look at the curricula for the Ithaca campus undergraduate (<https://infosci.cornell.edu/undergraduate>) and Masters of Professional Studies (<https://infosci.cornell.edu/masters/mps>) degrees.

Candidates must hold a Ph.D. or equivalent degree by August 2020 and have demonstrated a commitment to teaching excellence and innovation. They should submit a cover letter, curriculum vitae (CV), and a teaching statement that speaks to experience and evidence of past teaching ability, skills and strengths, and aspects of the department's courses and curricula they see as especially attractive. Candidates should also submit a statement of diversity, equity, and inclusion. Diversity and inclusion are a part of Cornell University's heritage; we

are a recognized employer and educator valuing AA/EEO, protected veterans, and individuals with disabilities. Fostering an inclusive environment is also a core value of IS and CIS; in line with Cornell's historical commitment to educating "...any person...in any study...", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges. The statement of contribution to diversity, equity and inclusion is an opportunity for candidates to describe how their research, teaching, and/or service will contribute to a diverse, inclusive climate. See <https://facultydevelopment.cornell.edu/department-resources/recruitment/contribution-to-diversity/> for more on the university's commitment to diversity, inclusion, and equity, including suggestions for what we are looking for in such statements, as well as <https://cis.cornell.edu/diversity> for information about related CIS activities and resources.

The above application materials should be submitted online at <https://academicjobsonline.org/ajo/jobs/14618>, along with the names of at least three people who will provide reference letters that speak to the candidate's teaching skills. To ensure full consideration, applications should be received by October 15, 2019, but applications will be accepted until positions are filled. Inquiries about your application may be directed to fac_recruit@infosci.cornell.edu.

Cornell University

Full-Time Lecturer Opportunity

The Cornell University Department of Computer Science invites applications for multiple full-time and long-term Lecturer positions at Cornell's Ithaca campus. Cornell University is located in Ithaca, New York, with a county population of about 100,000 people in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a wide range of cultural activities, sports, and outdoor activities with the pleasures of both city and country close at hand.

This non-tenure track faculty position offers a professional teaching career track with possibility for growth. Appointments are typically three year (Lecturer) or five year (Senior Lecturer) with the expectation of renewal, based on candidate's qualifications and experience. Candidates for the position should hold a PhD in any computing-related field and have demonstrated commitment to teaching excellence and innovation. We are seeking candidates who can contribute to large lower- and upper-level undergraduate and master's level courses across a range of computer science subfields.

A typical full-time (100%) effort load for a Lecturer in Computer Science is two courses per semester, as well as collaborative engagement in the further development of Cornell's educational mission. The department offers a competitive salary and benefits package, and lecturers play a full and active part in departmental life, from curriculum design

and innovation to participation in wider faculty governance and decision-making.

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. In line with Cornell's historical commitment to educating "... *any person ... in any study...*", we seek candidates who will create a climate that is inclusive of all students, including students from historically underrepresented groups, and students who have overcome personal challenges. Applicants are asked to submit a Statement of Contribution to Diversity, Equity and Inclusion to describe their potential contributions to diversity and inclusion. See <http://facultydevelopment.cornell.edu/information-for-faculty-candidates/> for the university's commitment to diversity, inclusion and equity, including suggestions for what we are looking for in such statements, and see <https://cis.cornell.edu/diversity> for some CIS activities in this area.

Interested applicants should submit a cover letter, curriculum vitae, a diversity statement, a teaching statement speaking to experience, skills, distinct strengths, and evidence of past teaching success and ability, and make arrangements for three letters of reference speaking to the candidates teaching skills and abilities to be submitted electronically.

Application materials should be submitted at: <https://academicjobsonline.org/ajo/jobs/14622>

Evaluation of applicants will begin October 15, 2019 and continue until the positions are filled.

For more information about Cornell Computer Science, please visit our website at:

<https://www.cs.cornell.edu>. More information on our current undergraduate programs and course offerings is available at: <http://www.cs.cornell.edu/undergrad>.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

Cornell University

Tenured and Tenure-track Faculty

The Cornell University Department of Computer Science (CS) in the college of Computing and Information Science (CIS) has multiple tenured and tenure-track faculty positions available at its Ithaca campus. CS is ranked among the top computer science departments in the country (<http://www.cs.cornell.edu/>). Ithaca, NY is in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a vibrant cultural life and a wide range of sporting and outdoor activities with the pleasures of both city and country close at hand.

Applications from all areas of computer science and related fields are welcome.

Faculty hired in these positions will be members of the Department of Computer Science, which spans the Ithaca and New York City campuses, but their teaching and research will be based in Ithaca. A separate application is needed to be considered for

a position at the New York City campus; please visit the website <https://tech.cornell.edu/jobs/> for further information about the New York City application process.

Tenured and tenure-track faculty must hold the equivalent of a Ph.D. Applicants must have demonstrated an ability to conduct outstanding research. Successful candidates are expected to pursue an active research program, to teach graduate and undergraduate courses, and to supervise graduate students.

To ensure full consideration, applications should be received by December 1, 2019, but will be accepted until all positions are filled.

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. In line with Cornell's historical commitment to educating "... *any person ... in any study...*", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups, and students who have overcome personal challenges. Applicants are asked to submit a Statement of Contribution to Diversity, Equity and Inclusion to describe their potential contributions to diversity and inclusion. See <http://facultydevelopment.cornell.edu/information-for-faculty-candidates/> for the university's commitment to diversity, inclusion and equity, including suggestions for what we are looking for in such statements, and see <https://cis.cornell.edu/diversity> for some CIS activities in this area.

Applicants should submit a curriculum vitae, a diversity statement, and brief statements of research and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted at: <https://academicjobsonline.org/ajol/jobs/14625>.

Inquiries about your application may be directed to freccruit@cs.cornell.edu

We strongly encourage women and underrepresented minorities to apply. Cornell University seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

Creighton University

Assistant Professor of Computer Science

Creighton University invites applications for a tenure-track faculty position in Computer Science at the Assistant Professor level. We seek an individual with the potential to be an excellent teacher-scholar and an exemplary mentor for undergraduate students. The CS program is housed in the innovative, cross-disciplinary Department of Journalism, Media & Computing.

See <http://jmc.creighton.edu/positions.html> for details.

EO/AA Employer: M/F/Disabled/Vet.

Dartmouth College

Assistant Professor of Computer Science

The Dartmouth College Department of Computer Science invites applications for a tenure-track faculty position at the level of assistant professor (exceptional candidates at other ranks will be considered). We seek candidates who will be excellent researchers and teachers in the broad area of cybersecurity. Applicants should hold a Ph.D. in Computer Science or related field by the date of the start of their appointment. We particularly seek candidates who will help lead, initiate, and participate in collaborative research projects within Computer Science and beyond, including Dartmouth researchers from other Arts & Sciences departments, Geisel School of Medicine, Thayer School of Engineering, and Tuck School of Business.

For more information and to apply: <https://apply.interfolio.com/67331>

DePaul University

Assistant Professor in Cyber Physical Systems Engineering

DePaul University's School of Computing invites applications for a tenure-track faculty position beginning in Fall 2020.

We seek candidates who have an interest in cyber-physical systems. The

candidates should have expertise in one or more of the following: embedded systems, robotics, autonomous vehicles, smart sensors, and haptics. We welcome candidates with doctorates in CS, CE, EE, Physics, or related fields. Candidates should be committed to excellence in both teaching and research.

DePaul's School of Computing is a unit of the College of Computing of and Digital Media, an interdisciplinary college with a broad range of innovative programs including Cyber-Physical Systems Engineering, Computer Science, Game Development, Human-Computer Interaction, Information Security, Data Science, and Software Engineering. Located in the heart of Chicago's central business district, the school is equipped with state of the art research labs, supports many dynamic, interdisciplinary research groups, and offers an opportunity to forge working relationships with industry. The School of Computing includes more than 60 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and PhD programs.

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty.

Applicants should hold a Ph.D. or equivalent by the date of appointment.

Apply at <https://apply.interfolio.com/65167>

Applications will be accepted until the position is filled. For priority consideration, application materials should be received by 1 January 2020.

Required Documents:

- Cover Letter
- CV
- Teaching Statement
- Research Statement
- 3 Reference Letters

DePaul University

Assistant Professor in Software Engineering

DePaul University's School of Computing invites applications for a tenure-track position at the rank of Assistant Professor to begin in September 2020. We are interested in candidates with expertise in all areas of software engineering. Candidate with research and teaching interests in mobile and embedded applications, real-time and high-performance applications, safe, reliable, and secure software applications, intelligent and cross-disciplinary software applications are especially encouraged to apply. We seek candidates with a strong commitment to excellence in both teaching and scholarship. The School of Computing is committed to provide a flexible and supportive environment for candidates seeking rewarding academic careers with a balanced emphasis among teaching and research.

DePaul's School of Computing offers a broad range of innovative programs including Software Engineering, Computer Science, Game Development, Human-Computer Interaction, Information Security, Data Science, and others. Our Master of Science in Software Engineering program is one of the premier software engineering graduate programs in the Midwest. Located at the center of downtown Chicago, it supports many dynamic, interdisciplinary research groups and offers great opportunities to forge working relationships with the industry. The School of Computing includes nearly 70 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and Ph.D. programs. For more information about our school and programs, visit <https://www.cdm.depaul.edu/about/Pages/School-of-Computing.aspx>.

Qualifications:

Applicants should hold a Ph.D. or equivalent by the date of appointment. ABD's are welcome to apply.

Application Instructions:

Apply at <https://apply.interfolio.com/65171>

For priority consideration, application materials must be received by January 2, 2020.

E-mail Prof. Xiaoping Jia at xjia@cdm.depaul.edu for additional inquiries.

Required Documents:

- Cover letter
- C.V.
- Teaching statement
- Research statement
- Three letters of recommendation

Drake University

Professor of Practice or Assistant Professor of Computer Science

The Drake University Department of Mathematics and Computer Science seeks a cybersecurity professional or educator for a full-time Professor of Practice or tenure-track Assistant Professor position beginning in August 2020. Candidates will be expected to assist in the development and management of the cybersecurity program and teach courses related to cybersecurity and computer science. A master's degree or near completion in a field related to cybersecurity is required.

Applicants should submit electronically: a letter of application, curriculum vitae, statement of teaching philosophy, and diversity statement through Hire Touch: <https://drake.HireTouch.com/>. Questions may be directed to the search chair at timothy.urness@drake.edu.

Drew University

Assistant Professor in Computer Science

Drew University seeks applications for a tenure-track **Assistant Professor in Computer Science** beginning August 2020, pending budgetary approval. <http://www.drew.edu/human-resources/about-us/employment-opportunities/assistant-professor-in-computer-science/>

Drexel University

College of Computing & Informatics

Tenure-Track Positions in Computer Science and Information Science

The College of Computing and Informatics (CCI) invites applications for multiple tenure-track and tenured faculty positions at the Assistant Professor and Associate Professor levels. Preference will be given to applicants in the areas of **Artificial Intelligence, Data Science, Machine Learning, and Privacy/Security**. The positions are open in both the Department of Computer Science and the Department of Information Science. Candidates should have a Ph.D. in Computer Science, Information Science, or a related field by the time of appointment, as well as a record of high-quality scholarly activities. Applicants for senior positions are expected to have demonstrated exceptional leadership in large-scale, multidisciplinary research programs.

The College of Computing and Informatics (CCI) is one of the fastest growing academic units within Drexel

University and is uniquely positioned as an interdisciplinary and entrepreneurial research and education leader for the 21st century. The two departments complement each other to offer trailblazing research and education to drive innovation to the digital future. CCI has seen substantial enrollment growth to over 2000 students, has introduced new programs in Data Science and is planning new programs in AI and Machine Learning. CCI has recently relocated to a brand new state-of-the-art building and successfully recruited 10 new faculty. With a commitment to further expand the college and grow the faculty in key areas of strength, CCI seeks intellectually curious and rigorous candidates to engage in cutting-edge research and teaching. Successful applicants will be expected to establish strong sponsored research programs, teach at the undergraduate and graduate levels, advise and mentor Ph.D. students, and engage in service to the college, the university, and the global academic community. Candidates must be able to work with individuals across disciplines both internal and external to the College.

Drexel is a private, R1 research university committed to research with real-world applications. The university has over 24,000 students in 15 colleges and schools, and offers one of the largest and best-known cooperative education programs in the country, with over 1,600 co-op employers. Drexel is located on Philadelphia's "Avenue of Technology" in the University City district and at the hub of the academic, cultural, and historical

resources of the nation's eighth-largest metropolitan region.

Evaluation of applications will be conducted on a rolling basis; however, applicants should apply by January 15, 2020, for full consideration. Please apply at <https://careers.drexel.edu/cw/en-us/job/492820> for Computer Science and <https://careers.drexel.edu/cw/en-us/job/492833> for Information Science. If both areas are relevant, please apply to the one you see as the best fit and include your preferences for consideration in the cover letter.

Applications should submit a PDF file that includes a cover letter, CV, list of references, and statements describing the applicant's research program and teaching interests.

Drexel University is an Equal Opportunity/Affirmative Action Employer. The College of Computing & Informatics is especially interested in qualified candidates who can contribute to the diversity and excellence of the academic community. Background investigations are required for all new hires as a condition of employment, after the job offer is made. Employment will be contingent upon the University's acceptance of the results of the background investigation.

Duke University

Assistant Professor

The Department of Mechanical Engineering and Materials Science in the Pratt School of Engineering at Duke University invites

applicants for a tenure-track faculty position at the Assistant Professor level with research interests at the intersection of artificial intelligence (AI), health, and engineering. The department seeks candidates that have a strong track record in multiple areas of AI, including supervised and unsupervised machine learning, computer vision, non-linear optimization, decision and reasoning, human-machine interfaces, computationally efficient AI systems at the hardware or software levels, and deployment of AI in resource-limited settings. There is a preference for hires who can successfully interact with the Engineering and Medical schools by leveraging their AI toolkit to advance health applications in medical imaging, embedded sensing, medical implants, enhanced surgical tools and other medical robotic devices, point of care medical diagnostics and therapeutics, decision optimization, screening platforms, materials and structural design, healthcare data science, and large-scale computing. Applicants are expected to have a doctoral degree and a strong background in any combination of engineering disciplines, ideally with a focus at the intersection of mechanical engineering, materials science, data sciences, scientific computing, and related areas. Joint appointments with the medical school and/or other departments within and outside the school of engineering are possible. Successful candidates are expected to have an established and innovative research record, be capable of obtaining

competitive external research funding, and be committed to teaching and mentoring at both the undergraduate and graduate levels. We seek faculty members committed to building a diverse and inclusive community that fosters excellence in research and teaching.

Applicants should electronically submit: (1) cover letter (including email, address, and phone number), (2) complete curriculum vitae, (3) two page statement of research achievements and interests, (4) one-page teaching statement, and (5) names, addresses, email addresses, and telephone numbers of five references to <https://academicjobsonline.org/ajol/jobs/15175>.

Duke University is an Affirmative Action/ Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, genetic information, gender, gender identity, national origin, race, religion, sexual orientation, or veteran status.

Duquesne University

Director

Carl G. Grefenstette Center for Ethics in Science, Technology, and Law

The Carl G. Grefenstette Center will provide a pivotal platform at Duquesne University for the integration of ethics with science, technology, and law. This interdisciplinary Center will explore the intersection of law, ethics, science, and technology from a distinctly Catholic perspective.

Housed within the Bayer School of Natural and Environmental Sciences and the McNulty College and Graduate School of Liberal Arts, the Carl G. Grefenstette Center for Ethics in Science, Technology and Law will build on Duquesne's longtime academic focus on ethics and its historic commitment to advancing society for the betterment of all individuals.

The Director of this University-wide initiative will draw on the expertise and resources of Duquesne's nine schools to enable sponsored research and organize conferences, symposia and other scholarly endeavors. Micro-credentials, certificates and graduate degree programs may be included in future activities.

The Director of the Carl G. Grefenstette Center will help Duquesne strengthen internal collaborations among Duquesne faculty, students, and staff and external partnerships with leading research institutions such as Carnegie Mellon University and the University of Pittsburgh; professional organizations like the Pittsburgh Area Bioethics Partnership; other Catholic colleges and universities in western Pennsylvania; as well as across the globe.

Responsibilities

The Director will be responsible to the dean of the school or college in which he or she holds a faculty position (whether full-time or part-time) based upon his or her expertise and experience, and will submit annual reports on her or his activities as chair holder to the relevant dean as well as the President and the

Provost. The Director will also work with an Advisory Board comprised of experts in a variety of fields from inside and outside the University who will provide ideas and guidance.

The director shall actively participate in supporting and developing academic and scholarly initiatives for Duquesne University and shall maintain scholarly pursuits including publications or presentations as appropriate, and may teach in his or her discipline. Faculty status shall be determined based upon the credentials and qualifications of the candidate selected and the needs of the University.

The Director will be responsible for providing strategic advice as requested by the Provost and President of the University, in order to advance the ambitious goals of the Strategic Plan.

The Director will be responsible for actively promoting and supporting an interdisciplinary Center and related programs that coalesce around the ethical issues involving science, technology, and law, in a fashion that is informed by Catholic moral traditions while engaging and contributing to a broad array of initiatives.

Requirements

The Director of the Carl G. Grefenstette Center must have a terminal degree in a discipline with a background in Science, Technology, Computer Science, Mathematics, Ethics, Law, or a closely related field of study and a minimum of 5 years of experience within higher

education. A demonstrated expertise in science and/or technology, in addition to expertise in the field of ethics, is strongly preferred.

The candidate should have a record of publication and/or presentations on the ethical issues related to science and technology which demonstrates the knowledge, skills and abilities required to lead the Center. The candidate should have a demonstrated record of fund raising including success with acquiring grant and gift funding for scholarly or administrative activities.

Skills required include but are not limited to:

- Discipline specific knowledge;
- Demonstrated organizational management skills, including budget preparation, handling of finances, ability to seek grants and administrative skills; Entrepreneurial orientation;
- Ability to work independently to establish collaborative internal and external relationships; Strong leadership, supervisory, and communication skills;
- Ability to initiate and follow through with work responsibilities and to meet deadlines;
- Ability and willingness to contribute actively to the mission and to respect the Catholic and Spiritan identity of Duquesne University.

The director shall also have demonstrated a commitment and capability for engaging colleagues, students, and non-academic audiences in the issues surrounding

ethics and policy issues related to scientific or technical advances.

Applicants must have earned a Ph.D. or equivalent terminal degree.

Applicants must demonstrate a collegial and collaborative orientation, and be willing to contribute to the growth and development of Duquesne University's programs generally.

As with candidates for all positions at Duquesne, applicants should demonstrate that they are capable of advancing the University's rich Catholic/Spiritane mission and traditions, and that they would find professional and personal fulfillment in making such a contribution.

Duquesne University

Duquesne is a comprehensive university with about 9,000 undergraduate and graduate students in Pittsburgh, Pennsylvania. For more information about the university, see: www.duq.edu.

Duquesne University is committed to attracting, retaining and developing a diverse faculty that reflects contemporary society, serves our academic mission and enriches our campus community.

As a charter member of the Ohio, Western PA and West Virginia Higher Education Recruitment Consortium HERC (<http://www.hercjobs.org/oh-western-pa-wv/>), we encourage applications from members of underrepresented groups and support dual-career couples. Motivated by its Catholic and Spiritane identity, Duquesne values equality of

opportunity both as an educational institution and as an employer.

Founded in 1878 by its sponsoring religious community, the Congregation of the Holy Spirit, Duquesne University is Catholic in mission and ecumenical in spirit (<http://www.duq.edu/about/mission-and-identity/mission-statement>). Its Mission Statement commits the University to “serving God by serving students - through commitment to excellence in liberal and professional education, through profound concern for moral and spiritual values, through the maintenance of an ecumenical atmosphere open to diversity, and through service to the Church, the community, the nation and the world.” Applicants for this position should describe how they might support and contribute to this mission.

Application Instructions

Please submit a detailed cover letter (describing your administrative experience with budgets; your grants writing and fundraising experience; and a strategic vision to establish and sustain this new center), resume/curriculum vitae, and a contact list of three professional references (names, mailing and email addresses, and telephone numbers). The application review process will begin on November 25th 2019 and will continue until the position is filled for an anticipated employment date of July 1, 2020. Applications must be submitted electronically via Interfolio at <http://apply.interfolio.com/69996>.

Questions should be directed to: Marla Bradford, Office of Human Resources,



The Department of Computer Science at Emory University invites applications for **Multiple Tenure-Track Faculty Positions** from candidates with exceptional research and teaching records. Openings are at the *Assistant or Associate Professor* levels, but truly eminent scholars at all ranks will be considered. Applicants must have a PhD in Computer Science or a closely related field.

Successful candidates will join the vibrant Emory CS department and enhance our current strengths in: *Intelligent Systems* (artificial intelligence, machine learning, natural language processing, information retrieval, text and data mining, human-computer interaction, and their applications); and *Data Centric Computing* (systems design, big data analytics, high-performance computing, storage systems, data privacy and security). We also seek new expertise in Quantum Computing, Extreme Scale Systems, and fields that strengthen connections to ongoing Emory scholarship, particularly in the Health or Medical Sciences.

We especially welcome inquiries from leading scholars interested in establishing a faculty cluster at Emory to complement our research and educational strengths, and enhance diversity.

Emory CS is a dynamic, close-knit department with high research activity in several areas, and a stellar faculty that is passionate about scholarship, teaching, and societal impact. The department is committed to transforming the world through computing, prides itself on a family-friendly and supportive dual-career environment, and engages deeply with industry, alumni, and community.

Emory University is a highly ranked private institution engaged in outstanding research and education. A remarkably collegial spirit prevails across departments and schools, making the university a leader in collaborative interdisciplinary endeavors while advancing knowledge in fundamental and applied domains. Emory is highly ranked among America's *Best Employers for Women* and *Best Employers for Diversity*, and fosters a culture of inclusivity and cooperation. The campus is an integral part of the energetic Atlanta, GA metropolitan area, offering a variety of cultural, social, and recreational opportunities, a mild climate, and unmatched accessibility.

Applications specifying one or more of the above areas and comprising a CV, research and teaching statements, and three letters of recommendation directly from recommenders, should be submitted via Interfolio <https://apply.interfolio.com/66304>. In a separate statement, please also outline your interests in broadening participation and increasing diversity in computing.

Informal inquiries are welcome via email to cssearch2019@emory.edu. Review is ongoing; applications received by December 1, 2019, will receive full consideration.

Emory University is an equal employment opportunity and affirmative action employer. Women, minorities, people with disabilities and veterans are strongly encouraged to apply. Emory University is committed to student and faculty diversity, equity, and inclusion.

Duquesne University (email to: bradfordm845@duq.edu).

Duquesne University was founded in 1878 by its sponsoring religious community, the Congregation of the Holy Spirit. Duquesne University is Catholic in mission and ecumenical in spirit. Motivated by its Catholic identity, Duquesne values equality of opportunity both as an educational institution and as an employer.

ETH Zurich

Professor or Assistant Professor (Tenure Track) of Cyber-Physical and Embedded Systems

The Department of Information Technology and Electrical Engineering (www.ee.ethz.ch) at ETH Zurich invites applications for the above-mentioned position.

The successful candidate is expected to develop a strong and visible research programme in the area of embedded systems. He or she has a strong background in areas such as cyber-physical systems, real-time systems, embedded systems, embedded control, sensor networks, systems on chip (SoC), or related fields. An engineering approach to these topics as well as a research profile showing synergies with other research areas in the Department of Information Technology and Electrical Engineering is welcomed.

The new professor must be committed to innovative and engaging teaching at the bachelor's level on cyber-physical systems/embedded systems and computer engineering as well as advanced classes in the Master programme on related topics such as hardware/software codesign of digital systems. Generally, at ETH Zurich undergraduate level courses are taught in German or English and graduate-level courses in English.

Assistant professorships have been established to promote the careers of younger scientists. ETH Zurich implements a tenure track system equivalent to other top international universities. The level of the appointment will depend on the successful candidate's qualifications.

Please apply online:
www.facultyaffairs.ethz.ch

Applications should include a curriculum vitae, a list of publications, a statement

of future research and teaching interests, a description of the three most important achievements, and the names of five references. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Joël Mesot. The closing date for applications is 31 January 2020.** ETH Zurich is an equal opportunity and family-friendly employer strives to increase the number of women professors, and is responsive to the needs of dual-career couples.

ETH Zurich

Professor or Assistant Professor (Tenure Track) of Electronics

The Department of Information Technology and Electrical Engineering (www.ee.ethz.ch) at ETH Zurich invites applications for the above-mentioned position.

The new professor will lead a strong and innovative research and teaching programme in the area of integrated circuit design. The exact research direction is open, but should bring new directions and synergies to the department. Topics of interest include, but are not limited to, the development of next-generation analog and mixed-signal communication circuits for 5G/6G and IoT devices, mm-Wave and THz transceivers, neural networks, 3D interconnects, ultra-high-speed wireline links, Time-of-Flight (ToF) imagers, circuit designs using emerging devices, radar transceivers and/or ICs for large area nanoelectronics.

The successful candidate is expected to be an innovative and engaging lecturer with an interest in (i) teaching introductory courses focused on transistor fundamentals, analysis and design of transistor-based electronic circuits such as amplifiers and filters and (ii) developing offerings at the Master level, for example advanced courses in analog-to-digital converters and communication electronics. Generally, at ETH Zurich undergraduate level courses are taught in German or English and graduate-level courses in English.

Assistant professorships have been established to promote the careers of younger scientists. ETH Zurich implements a tenure track system equivalent to other top international universities. The level of the appointment will depend on the successful candidate's qualifications.

Please apply online:
www.facultyaffairs.ethz.ch

Applications should include a curriculum vitae, a list of publications, a statement of future research and teaching interests, a description of the three most important achievements, and the names of five references. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Joël Mesot. The closing date for applications is 31 January 2020.** ETH Zurich is an equal opportunity and family-friendly employer strives to increase the number of women professors, and is responsive to the needs of dual-career couples.

Fitchburg State University

Tenure-track Assistant Professor of Computer Science

The Computer Science department at Fitchburg State University in Central Massachusetts is seeking versatile applicants to join our group of dedicated educators. The closing date for applications is November 15, 2019.

For further information, refer to the official posting at: <https://fitchburg.interviewexchange.com/jobofferdetails.jsp?JOBID=115951>.

Florida International University

Diversity Mentor Professorship in School of Computing and Information Sciences (SCIS)

Florida International University is classified by Carnegie as a “R1: Doctoral Universities - Highest Research Activity” and recognized as a Carnegie Community Engaged university. It is a public research university with colleges and schools that offers bachelor’s, master’s and doctoral programs in fields such as business, engineering, computer science, international relations, architecture, law and medicine. As one of South Florida’s anchor institutions, FIU contributes almost \$9 billion each year to the local economy and is ranked second in Florida in Forbes Magazine’s “America’s Best Employers” list. FIU graduates are consistently among the highest paid college graduates in Florida

and are among the leaders of public and private organizations throughout South Florida. FIU is Worlds Ahead in finding solutions to the most challenging problems of our time. FIU emphasizes research as a major component of its mission with multiple state-of-the-art research facilities including the Wall of Wind Research and Testing Facility, FIU’s Medina Aquarius Program and the Advanced Materials Engineering Research Institute. FIU has awarded more than 220,000 degrees and enrolls more than 54,000 students in two campuses and centers including FIU Downtown on Brickell, FIU@I-75, the Miami Beach Urban Studios, and Tianjin, China. FIU also supports artistic and cultural engagement through its three museums: Patricia & Phillip Frost Art Museum, the Wolfsonian-FIU, and the Jewish Museum of Florida-FIU. FIU is a member of Conference USA and more than 400 student-athletes participating in 18 sports. For more information about FIU, visit <http://www.fiu.edu/>.

Diversity Mentor Professorship in School of Computing and Information Sciences (SCIS)

Florida International University invites applicants for a senior faculty position (Associate Professor or Professor) as part of FIU’s Diversity Mentor Professorship Initiative to recruit excellent STEM faculty with a history and commitment to the mentorship of students from underrepresented and underserved populations, particularly women and Hispanic-American and African-American students.

FIU’s School of Computing and Information Sciences (SCIS) is a rapidly growing program of excellence at Florida International University (FIU). The School has 30 tenure-track faculty members and over 2,400 students, including over 90 Ph.D. students. The School is engaged in on-going and exciting new and expanding programs for research, education and outreach. The School offers B.S., M.S., and Ph.D. degrees in Computer Science, and M.S. degrees in Telecommunications and Networking, Cyber-security, and Information Technology as well as B.S./B.A. degrees in Information Technology. NSF ranks FIU 39th nationwide in externally-funded research expenditures. SCIS has six research centers/clusters with first-class computing and support infrastructure, and enjoys broad and dynamic industry and international partnerships.

The School of Computing and Information Sciences invites applications from exceptionally qualified faculty at all levels with particular emphasis on cyber-security, computer systems or data sciences. Ideal candidates for junior positions should have a record of exceptional research in their early careers and a demonstrated ability to pursue and lead a research program. Candidates for senior positions must have an active and sustainable record of excellence in funded research, publications and professional service as well as demonstrated leadership in collaborative or interdisciplinary research. In addition to developing or expanding a high-quality research

program, all successful applicants must be committed to excellence in teaching at both the graduate and undergraduate levels. Applications are encouraged from candidates with highly transformative research programs and seminal ideas that extend the frontiers of computing and networking across other disciplines. A Ph.D. in Computer Science or related disciplines is required.

Successful candidates will be expected to have outstanding records of scholarly publications, research support, and teaching. The successful candidate will be expected to have a proven record of mentorship of women and underrepresented minority students and to participate in campus-wide and departmental programs that promote the goals of FIU's NSF ADVANCE Institutional Transformation grant (advance.fiu.edu), its Faculty Diversity and Inclusion Plan, and programs that provide research and professional development opportunities for our diverse student body. Faculty appointment will be made at a tenured professorial rank commensurate with current academic standing and achievement. FIU offers competitive salaries, research set-up funds, and recruitment allowances.

Qualified candidates are encouraged to apply to Job Opening ID 514306 at <https://facultycareers.fiu.edu/>. Please attach as separate documents: 1) a cover letter that specifies Computing and Information Sciences as your likely tenure department and includes names and contact information for referees; 2) curriculum

vita; 3) statement of research interests; 4) statement of teaching interests; and 5) statement of evidence of diversity mentoring (Guidelines: go.fiu.edu/diversitystatement). Nominations and questions should be sent to: Dr. Malek Adjouadi adjouadi@fiu.edu. Review of applications will begin on November 1, 2019, and continue until the position is filled.

FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Florida State University

Tenure-Track Assistant Professor Position in Trustworthy Computing, Department of Computer Science

The Department of Computer Science at Florida State University invites applications for a tenure-track Assistant Professor position to begin August 2020. The position is a 9-month, full-time, tenure-track, and benefits eligible. We are seeking outstanding theoretical and applied applicants in the broad area of Trustworthy Computing. The focused areas include Embedded and Cyber-Physical Systems, Visualization, Computer Architecture, Human-Computer Interaction, and Algorithms.

Applicants should hold a Doctoral degree from an accredited institution or the

highest degree appropriate in the field of Computer Science or closely related field at the time of appointment and have a demonstrated record of research and teaching accomplishments. A minimum of 2 years of teaching and research experience is preferred.

The department currently has 24 tenure-track and 8 specialized faculty members and offers degrees at the BS, MS, and Ph.D. levels. Our annual research expenditure has been growing in the past several years and reached \$3.9 Million in the 2019 fiscal year. The department is an NSA/DHS Center of Academic Excellence in Cyber Defense Education (CAE/CDE) and Research (CAE-R). FSU is classified as a Carnegie Research I university. Its primary role is to serve as a center for advanced graduate and professional studies while emphasizing research and providing excellence in undergraduate education. Further information can be found at:

<http://www.cs.fsu.edu>

Screening will begin on December 1, 2019. The deadline for applications is May 1, 2020. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of three references at: www.jobs.fsu.edu, select "Browse Job Openings," and search for job 46510. Questions can be e-mailed to Prof. Weikuan Yu, Faculty Search Committee Chair, recruitment@cs.fsu.edu.

FSU is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer. FSU's Equal Opportunity Statement can be viewed at: <http://www.fsu.edu/eo>.

hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf

Individuals from traditionally underrepresented groups are encouraged to apply.

Florida State University

Tenure-Track Assistant Professor Position in Data Sciences, Department of Computer Science

The Department of Computer Science at Florida State University invites applications for a tenure-track Assistant Professor position to begin August 2020. The position is a 9-month, full-time, tenure-track, and benefits eligible. We are seeking outstanding theoretical and applied applicants in the broad area of Data Sciences. The focused areas include Data Analytics, Visualization, Machine Learning, Computer Architecture, Human-Computer Interaction, and Algorithms.

Applicants should hold a Doctoral degree from an accredited institution or the highest degree appropriate in the field of Computer Science or closely related field at the time of appointment and have a demonstrated record of research and teaching accomplishments. A minimum of 2 years of teaching and research experience is preferred.

The department currently has 24 tenure-track and 8 specialized faculty members and offers degrees at the BS, MS, and Ph.D. levels. Our annual research expenditure has been growing

in the past several years and reached \$3.9 Million in the 2019 fiscal year. The department is an NSA/DHS Center of Academic Excellence in Cyber Defense Education (CAE/CDE) and Research (CAE-R). FSU is classified as a Carnegie Research I university. Its primary role is to serve as a center for advanced graduate and professional studies while emphasizing research and providing excellence in undergraduate education. Further information can be found at:

<http://www.cs.fsu.edu>

Screening will begin on December 1, 2019. The deadline for applications is May 1, 2020. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of three references at: www.jobs.fsu.edu, select "Browse Job Openings," and search for job 46508. Questions can be e-mailed to Prof. Weikuan Yu, Faculty Search Committee Chair, recruitment@cs.fsu.edu.

FSU is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer. FSU's Equal Opportunity Statement can be viewed at: http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf

Individuals from traditionally underrepresented groups are encouraged to apply.

Fordham University

Department of Computer and Information Science- Multiple Openings Multiple

Tenure Track Assistant Professor Positions Lecturer & Postdoc Positions

The Department of Computer and Information Science at Fordham University is undergoing a rapid expansion in both its undergraduate and graduate programs, and Fordham's administration is committed to increasing the department's local and national distinction in research and science education. The department offers undergraduate programs at Fordham's Rose Hill campus in the Bronx and Lincoln Center campus in Manhattan, and offers graduate degrees in Computer Science, Data Analytics, and Cybersecurity at its Lincoln Center campus. For information about the department, visit <http://www.cis.fordham.edu>. Fordham University has been designated by National Security Agency and the Department of Homeland Security as a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE).

We invite applications for multiple tenure track Assistant Professor Positions in the Department of Computer and Information Science (CIS) to start in fall 2020. Applications from all areas of Computer Science are welcome. Candidates in the areas of cybersecurity, computer graphics, visualization, computer games, neuroscience, programming language, and systems are especially encouraged to apply.

The position requires a Ph.D. in Computer Science or related fields, a commitment to teaching excellence, good communication skills, and demonstrated research

potential with the ability to attract external research funding.

Applications can be electronically submitted to Interfolio Scholar Services: Include (1) Cover letter with qualifications, (2) Curriculum vitae, (3) Research Statement, (4) Teaching Statement (5) Sample scholarship, and (6) At least three letters of recommendation. Applications will be accepted until the position(s) is filled, however, for full consideration, it is recommended to complete your application by Jan 1st, 2020.

Applications should be electronically submitted to Interfolio Scholar Services:

For Cybersecurity Assistant Professor position: <http://apply.interfolio.com/69853>

For CS General Assistant Professor position: <http://apply.interfolio.com/70481>

For Lecturer and Postdoc positions: <http://apply.interfolio.com/70482>

For inquiries, contact: Xiaolan Zhang, PhD at: xzhang@fordham.edu, CIS Department, Fordham University, 441 East Fordham Road, Bronx, NY 10458.

Fordham is an independent, Catholic University in the Jesuit tradition committed to excellence through diversity. Fordham is an equal opportunity employer, and we especially encourage women, people of color, veterans and people with disabilities to apply.

Fulbright University Vietnam Corporation

Multiple Open Faculty Positions: Fulbright Undergraduate Program

Fulbright University Vietnam is hiring undergraduate faculty for its newly launched undergraduate program.

Please visit <https://fulbright.edu.vn/join-us/>

George Mason University

Open-Rank Term Faculty Positions

The George Mason University Department of Computer Science, within the Volgenau School of Engineering, invites applications for renewable-term, non-tenure-track Assistant Professor and Instructor positions beginning Fall 2020. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

Responsibilities:

Responsibilities include teaching undergraduate computer science courses as well as service duties associated with the department's undergraduate degree programs.

Required Qualifications:

Applicants for Assistant Professor positions must have received a PhD in Computer Science or related field by the

start date of the position. Applicants who have received a MS in Computer Science or a related field by the start date of the position will be considered for Instructor positions. Applicants should possess a strong commitment to and demonstrated excellence in teaching. Preferred Qualifications: While applicants in all areas of computer science will be given serious consideration, we are particularly interested in candidates in the areas of computer science education, programming languages, data analytics and software engineering. Preference will be given to candidates with teaching experience. Administrative and/or managerial experience is a plus.

For full consideration, applicants must apply for position number F450AZ; at <http://jobs.gmu.edu/>; complete and submit the online application; and upload a statement of professional goals including your perspective on teaching and research (to attach as 'Other Doc'), a complete CV with publications and teaching history, a statement on what diversity and inclusion means to you (to attach as 'Other Doc'), and the names of three professional references. The review of applications will begin December 2, 2019 and continue until the position is filled.

About Us:

The Department of Computer Science has 42 tenured and tenure-track faculty and 12 teaching-track faculty with wide-ranging research interests, and strong research groups in cybersecurity, systems and networks, machine

learning and data mining, artificial intelligence and software engineering. The department has seen a substantial increase in computer science majors as enrollment has grown from 550 undergraduates in 2012 to more than 1,700 today. The department has nearly 130 PhD students and more than 350 graduate students enrolled in four MS programs. The department has \$8.5 million in annual research expenditures, 14 recipients of the prestigious CAREER/Young Investigator Awards, four IEEE Fellows, and two ACM Fellows. For more information on the department, visit our website: <http://cs.gmu.edu/>.

The Volgenau School of Engineering at George Mason University is a fast-growing force for innovation in technology and education, with approximately 250 full-time faculty. The school boasts more than 8,170 students in 37 undergraduate, master's, and doctoral degree programs, including several first-in-the-nation offerings.

George Mason University is the largest public research university in Virginia, classified at the R1 highest research activity level, with an enrollment of over 38,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields.

George Mason University

Department of Computer Science Chair

The Department of Computer Science at George Mason University (Mason),



Professor and Chair - Department of Computer Science

Georgia Southern University's Paulson College of Engineering & Computing invites applications for a Professor and Chair in Computer Science. The full text advertisement, including information about the department, faculty, and the complete position announcement with all qualifications and application instructions, is available at <https://apptrkr.com/1692673>.

Screening of applications begins December 1, and continues until the position is filled.

Georgia is an open records state. Georgia Southern is an AA/EO institution. Individuals who need reasonable accommodations under the ADA to participate in the search process should contact the Vice Provost.

Virginia's largest public research institution, invites applications and nominations for the position of Chair. Ranked among the top 30 most innovative universities in the nation by U.S. News and World Report, Mason is in the Washington, DC metropolitan area, providing unmatched access to many federal agencies and national laboratories. An academic unit of the Volgenau School of Engineering, the Computer Science Department has 42 tenured or tenure-track faculty and 14 teaching-track faculty with wide-ranging research interests and strong research groups in cybersecurity, systems and networks, machine learning and data mining, artificial intelligence and software engineering.

The Department has seen a substantial increase in computer science majors as enrollment has grown from 550 undergraduates in 2012 to more than

1700 today. In addition, more than 350 graduate students are enrolled in one of four MS programs, and nearly 130 Ph.D. students are advised by faculty. The Department has \$8.5 million in annual research expenditures, 14 recipients of the prestigious CAREER/Young Investigator Awards, four IEEE Fellows, and two ACM Fellows. With Amazon's announcement that it will establish a second headquarters in Arlington, Mason has committed to accelerate its plans to grow its capacity in computer science and related disciplines.

The full Position Profile can be found at <http://bit.ly/CSChairGMU>.

Interested candidates should submit confidentially, in electronic form (Microsoft Word or Adobe PDF files preferred), a curriculum vitae and vision statement to GMU.ChairCS@russellreynolds.com.

Georgetown University

Assistant and Associate Professor

The Department of Computer Science at Georgetown University welcomes applications for tenure-track positions at the Assistant or Associate Professor rank. We are a rapidly growing department in a top-ranked university in Washington, DC with a wide variety of cultural opportunities as well as access to funding agencies. We are committed to building a diverse intellectual community and strongly encourage applications from those from underrepresented backgrounds.

Applicants must have a Ph.D. in Computer Science or a related area, and must show a promise of excellence in research as well as teaching.

- **Position #1:** Candidates with a strong record of research in the area of security, cryptography, or privacy are invited to apply.
- **Position #2:** Candidates with research interests that will complement and bridge with one of our core areas of data-centric computing, security and privacy, and theory are invited to apply. In particular, candidates with a strong record of research in machine learning and AI, programming languages, systems, software engineering, or human-computer interaction are encouraged to apply.

More information for applying to these positions is provided at <http://cs.georgetown.edu/jobs>.

Georgetown University is an Equal Opportunity/Affirmative Action Employer

fully dedicated to achieving a diverse faculty and staff.

The George Washington University

*Department of Computer Science
Professor of Practice*

The Department of Computer Science at The George Washington (GW) University in Washington DC, invites applications for two Professor of the Practice positions starting potentially as early as Fall 2020. These non-tenure track, specialized appointments will be made at the Assistant/Associate/Full Professor of the Practice rank depending on the candidate's experience. GW has a history of supporting faculty with practice-of titles who are educators, practitioners, and scholars, and the Computer Science department has set high standards in providing a teaching and work environment in which practice-of faculty thrive.

New faculty will join a vibrant department with diverse faculty, housed in a new \$275M building that encourages interdisciplinary efforts across many fields. The School of Engineering and Applied Science is fundamentally committed to increasing the diversity of its faculty and staff and has one of the highest percentages of women engineering students nationally. We welcome nominations of and applications from women, members of underrepresented groups, veterans and individuals with disabilities. We also welcome others who would bring additional aspects of diversity to the

university's research, teaching and service missions.

Responsibilities:

One position primarily entails teaching in and developing the Master's degree programs. The other position primarily entails teaching courses throughout the undergraduate curriculum including courses open to the entire University student body.

An initial multi-year appointment will be offered in accordance with the University's Faculty Code. Practice-of faculty typically teach a three/two-course load per year in introductory CS courses with graduate and undergraduate teaching assistant support.

Minimum Qualifications:

By the date of appointment, applicants for the Professor of Practice position must have a Ph.D. in Computer Science or a closely related field. They must also be able to demonstrate experience or potential for teaching many parts of a CS curriculum.

Enquiries and Application:

To enquire, please email to cssearch@gwu.edu or call 202-994-7181. To apply, complete the online faculty application, at <http://www.gwu.jobs/postings/72560> and upload: (1) a detailed curriculum vitae; (2) a statement of teaching interest regarding teaching philosophy and experience, including evidence of commitment to promoting inclusion and diversity; (3) teaching evaluations or summaries as evidence of

teaching effectiveness; (4) a short cover letter clearly stating which position(s) you are applying, and describing your background and interests in teaching students at George Washington University and in promoting inclusion and diversity in computer science; (5) a statement of research interest (which may include research on pedagogical focus); (6) and include contact information for three references who can address your teaching experience and potential for this appointment. Only complete applications will be considered. Review of applications will begin on January 10, 2020, and will continue until the position is filled.

EEO/AA Policy:

The university is an Equal Opportunity/Affirmative Action employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity expression, or on any other basis prohibited by applicable law.

Background Screening Statement:

Employment offers are contingent on the satisfactory outcome of a standard background screening.

George Washington University

Tenure Track at the Assistant, Associate or Full Professor

The George Washington University Department of Computer Science Tenure

Track Openings for Assistant, Associate or Full Professor.

The Department of Computer Science at The George Washington University invites applications for two tenure track positions at the Assistant, Associate or Full Professor level, beginning as early as Fall 2020. One position focuses on Machine Learning and related areas; the other position welcomes all areas of theoretical and applied computer science.

New faculty will join a vibrant department with diverse faculty, housed in a new \$275M building that encourages interdisciplinary efforts across many fields. The School of Engineering and Applied Science is fundamentally committed to increasing the diversity of its faculty and staff and has one of the highest percentages of women engineering students nationally. We welcome nominations of and applications from women, members of underrepresented groups, veterans and individuals with disabilities. We also welcome others who would bring additional aspects of diversity to the university's research, teaching and service missions.

The George Washington University is the largest academic institution in the nation's capital. The exceptional location affords the GW community unique cultural and intellectual opportunities. Close access to many federal funding agencies, research laboratories, and one of the largest concentrations of technology companies in the nation supports high

impact research agendas and creates opportunities for two career couples.

Responsibilities Faculty hired into this position will be expected to build a substantial research program, mentor graduate students in research and teach courses at the undergraduate and graduate levels.

Minimum Qualifications A Ph.D. in computer science or a related area by date of appointment is required. Applicants must demonstrate potential for developing a quality research program, attracting research funding, and outstanding teaching at both the undergraduate and graduate levels.

Enquiries and Application: To enquire, please email to cssearch@gwu.edu or call 202-994-7181. To apply, complete the online faculty application, at <http://www.gwu.jobs/postings/72053> and upload: (1) a detailed CV or resume; (2) a research statement; (3) a teaching statement; and (4) a cover letter that could describe your goals and why you are applying to this position. Please include a list of 3 references who can address the research and teaching skills necessary for this appointment. Only complete applications will be considered. Review of applications will begin January 9, 2020 and will continue until the position is filled.

EEO/AA Policy: The George Washington University is an Equal Opportunity and Affirmative Action Employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin,

age, disability, veteran status, sexual orientation, gender identity expression, or on any other basis prohibited by applicable law.

Background Screening Statement: Employment offers are contingent on the satisfactory outcome of a standard background screening.

The George Washington University

Department of Electrical & Computer Engineering

Tenure Track Opening for Assistant/ Associate Professor in Autonomous Systems Hardware

The Department of Electrical and Computer Engineering (ECE) at the George Washington University (GWU) invites applications for a tenured/tenure-track faculty appointment starting as early as Fall 2020 at the rank of Assistant or Associate Professor in system design, particularly in the area of **digital hardware with applications to autonomous systems**.

The School of Engineering and Applied Science is fundamentally committed to increasing the diversity of its faculty and staff. We welcome nominations of and applications from members of underrepresented groups, and others who would bring additional aspects of diversity to the university's missions.

The successful candidate will complement existing research strengths in computer

architecture, nanotechnology, and communication networks, and create new synergies among mechanical engineering, biomedical engineering, and computer science. Applicants with expertise in any aspect of autonomous systems hardware will be considered, including but not limited to digital circuits and interfacing, digital chip design, and embedded and reconfigurable hardware.

Applicants must have an earned doctorate in Electrical Engineering, Computer Engineering, or a relevant discipline at time of appointment; must demonstrate a solid publication record; must have established or exhibit potential to establish a strong, externally sponsored research program, commensurate with the rank they are seeking; and must be committed to excellence in teaching at both undergraduate and graduate levels.

The ECE department has experienced significant research growth in the last few years. It is housed in a state-of-the-art 500,000 sq. foot building in the heart of the nation's capital. More information about the department is available at <http://www.ece.seas.gwu.edu/>.

To apply, complete the online application at <http://www.gwu.jobs/postings/71663/>.

A cover letter indicating primary area(s) of expertise and desired rank, detailed CV, concise statements on teaching and research, and full contact information for four professional references are required. Only complete applications will be considered. Review of applications will

begin on January 3, 2020 and will continue until position is filled.

Employment offers are contingent on satisfactory outcome of standard background screening. The university is an Equal Employment Opportunity/Affirmative Action Employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity or expression, or on any other basis prohibited by applicable law.

Georgia Institute of Technology

Chair, School of Computational Science and Engineering

The College of Computing at the Georgia Institute of Technology invites applications and nominations for the position of Chair of the School of Computational Science and Engineering (CSE). The School of CSE is an inherently interdisciplinary department devoted to the study and advancement of computational and data-analysis methods for understanding natural and engineered systems.

The new Chair will be expected to further build upon the many accomplishments, professional relationships, and interdisciplinary strides that already exist in the School by providing strategic vision and effective leadership. We seek candidates with a strong commitment to education, a distinguished research and funding record, and a proven ability to

work well with a diverse group of faculty, staff, and students, as well as other campus administrators and leaders.

To ensure full consideration, candidates should complete the online application at <https://academicjobsonline.org/ajojobs/15408>. This will require submission of a CV, letter of application, names and contact information for five references, and other supporting documents. This search begins immediately and will continue until the position is filled. Review of applications will begin on December 16, 2019. Should you have questions or interest in further discussing the position, please contact Prof. Alessandro Orso, chair of the search committee, at orso@cc.gatech.edu.

Georgia Institute of Technology

School Chair

The College of Computing at the Georgia Institute of Technology invites applications from qualified individuals for the position of Chair of the School of Computer Science. The ideal candidate will: Have a Doctorate in Computer Science, Engineering, or a related field; Be a Full Professor with tenure in a premier department at a research university; Have a proven record of achieving external visibility and funding; Have demonstrated strong leadership and team-building skills; Care about the personal and educational enrichment of faculty, staff, and students; Have experience with strategic planning, administrative oversight; fiscal

management, and vision development; and Embrace participative management and open decision-making.

To be considered, please apply online at: <https://academicjobsonline.org/ajojobs/15450>. You will need to submit your CV, a letter of application, 5 references, and other supporting documents. Your application will remain confidential (known only to the search committee) until its final stage, at which point, with your permission, we will contact your references and request letters of support. Review of applications will begin on January 1, 2020. This search will continue until the position is filled.

Should you have any problems with the online submission, please contact recruiting@cc.gatech.edu.

Georgia Tech is an equal opportunity employer.

Georgia State University

Department of Computer Science Multiple Faculty Positions

The Department of Computer Science at Georgia State University seeks applications for the following faculty positions:

Assistant/Associate Professor, Cybersecurity

<https://academicjobsonline.org/ajojobs/15016>

Applicants should have technical and methodological expertise related to cybersecurity detection and prevention. All areas within cybersecurity will be

considered, with special consideration given to candidates with expertise in AI, machine learning, and text, image, and video processing.

Assistant Professor, Data Science <https://academicjobsonline.org/ajojobs/14908>

The new faculty will contribute to vibrant research growth in Data Science, including data mining, machine learning, information retrieval, cybersecurity, privacy, big data, data visualization, computer vision and natural language processing.

Multiple Lecturers, Computer Science <https://academicjobsonline.org/ajojobs/14114>

The Lecturer positions provide high-quality teaching in introductory as well as advanced undergraduate computer science and data science courses to a large and diverse student population.

The Department of Computer Science's Ph.D. program, with over 90 students, is nationally competitive and ranks among the best in the Southeast according to National Research Council data. Faculty have research strengths in data science, informatics, and cybersecurity. The M.S. program has over 100 students with a recently introduced Security and Privacy and Big Data and Machine Learning concentrations. The B.S. program is the second largest in the university with over 1,900 majors. Computer Science seeks high-energy scholars with a commitment to undergraduate/graduate computer science education, strong potential for

securing external funding, and interest in collaborative and interdisciplinary research.

Georgia State University, the largest in the state of Georgia and an enterprising R1 university located in the center of Atlanta, is a national leader in using innovation to drive student success and research growth. Georgia State University provides its world-class faculty and more than 52,000 students unsurpassed research, teaching, and learning opportunities. The university is located in the heart of one of the largest and most racially and ethnically diverse metropolitan areas in the Southeastern U.S.

We encourage applications from women, minorities, and individuals with a commitment to mentoring underrepresented demographics in the sciences.

Grand Valley State University

Assistant/Associate Professor of Computing and Information Systems

The School of Computing & Information Systems at Grand Valley State University seeks to fill multiple positions for tenure-track assistant/associate professors in computer science, information systems, or information technology beginning fall 2020.

A Ph.D. in Computer Science or a closely related field is required. ABD near completion will be considered. Candidates must be professionally active, have demonstrable teaching potential and a commitment to undergraduate and graduate teaching and research. We are looking for excellent teachers with a passion for computing

and learning. Mentoring undergraduate or graduate research, or working in your area of technical specialty is valued.

Applicants should be qualified to teach core areas of computer science, information systems, or information technology. Candidates with the ability to teach any of the topics database/data management, data mining, data science, operating systems, distributed systems, cloud computing, edge computing, IoT, AI/machine learning, augmented reality, visualization, human-computer interaction, or cybersecurity are especially encouraged to apply

The School of CIS offers ABET-accredited undergraduate programs, several minors, and master's degrees. The School has 38 full-time faculty, 800 undergraduate students and 150 graduate students. Grand Valley has 25,000 students and is the fastest growing Michigan state-supported university. We focus on experiential learning with opportunities for faculty-industry collaboration via CIS's Applied Computing Institute.

The Grand Valley campuses are located in Allendale and downtown Grand Rapids, which is the second-largest metropolitan area in Michigan. The

area offers numerous cultural and recreational opportunities, a moderate cost of living, and high quality of life. Visit www.experiencegr.com or www.hellowestmichigan.com for information on living in the West Michigan area. Refer to our web site (www.cis.gvsu.edu) for additional information about our faculty, students, and university (www.gvsu.edu).

Application review will begin immediately and continue until all the positions are filled. Applications will be accepted on-line only. Apply at www.jobs.gvsu.edu. Include a letter of interest or nomination, curriculum vitae, statement of teaching philosophy, and at least three references listing name, address, phone and e-mail address. If you have questions or need assistance, call Human Resources at 616-331-2215. Grand Valley State University is an affirmative action, equal opportunity institution.

Grand View University

Assistant Professor of Computer Science - Fall 2020

Grand View University, located in Des Moines, IA, has 2 openings for Assistant Professor of Computer Science.



**GREAT FALLS
COLLEGE**
MONTANA STATE
UNIVERSITY

Computer Technology Faculty

Computer Technology Faculty (Job #F00069P). Closes: 02/14/2020. This position provides classroom and laboratory instruction in courses required for the Associates of Applied Science (AAS) in Microcomputer Support, Network Support and Security, Computer Programming, and Cybersecurity; a Certificate of Technical Studies (CST) in Cybersecurity; and other computer-related courses as assigned.

For more info visit: <https://apptrkr.com/1740806>.
GFC MSU is an ADA/Title IX/EOE

For position description and details on how to apply please visit: <http://grandview.hrmdirect.com/employment/job-openings.php?sort=td&&search=true&nohd>

Hartwick College

Assistant Professor - Computer Science

Hartwick College invites applications for a full-time, tenure-track appointment at the rank of Assistant Professor starting in August 2020. We seek candidates with expertise in Data Science / Informatics and general undergraduate Computer Science. Minimum qualifications include PhD in Computer Science, or related field, by the time of the appointment.

For further information, visit our website www.hartwick.edu

Hartwick College

Assistant Professor - Data Science/Cybersecurity

Hartwick College invites applications for a full-time, tenure-track appointment at the rank of Assistant Professor starting in August 2020. We seek candidates with expertise in Data Science / Informatics and/or Cyber-Security, with preference given to those with current research agendas that have the potential to add to the undergraduate Computer Science major. Minimum qualifications include PhD in Computer Science, or related field, by the time of the appointment.

For further information, visit our website www.hartwick.edu

Harvard University

Lecturer/Assistant Director Undergraduate Studies for Computer Science

The Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) seeks qualified candidates for the position of Assistant Director for Undergraduate Studies, with a concurrent Lectureship, in Computer Science.

The Assistant Director Undergraduate Studies (ADUS), Computer Science will report academically to the Area Chair for Computer Science and administratively to the Executive Dean for Education and Research. The ADUS will work closely with the Directors of Undergraduate Studies (DUS) for Computer Science, the Undergraduate Program Coordinator for Computer Science, as well as with other advisors and Directors at SEAS. We expect the ADUS to actively engage with Computer Science faculty.

Responsibilities include the following:

- Teach or co-teach one undergraduate Computer Science course per semester.
- Join and help lead the Computer Science Undergraduate Advising team with faculty and staff, which includes mentoring and advising undergraduate students and developing materials, initiatives and events to foster a welcoming and inclusive Harvard Computer Science community.

Additional duties and responsibilities may include the following:

- Assist with mentorship of relevant computer science clubs, including

Women in Computer Science (WiCS), Developers for Development, Hack Harvard, and others.

- Assist with curriculum and course development, course planning, and new pedagogical methods.
- Contribute to potential research opportunities such as supervision of undergraduate projects.
- Participate in departmental committees.

Basic Qualifications:

This position requires a Ph.D. in computer science or a related field.

Additional Qualifications:

Candidates must possess a strong commitment to education and mentoring; excellent communication, organizational, and interpersonal skills; the motivation to help build a diverse and inclusive Undergraduate Computer Science community at Harvard.

Application:

Required application documents include a cover letter, CV, a statement of research interests, and a teaching statement. In addition, we ask for a statement describing efforts to encourage diversity, inclusion and belonging, including past, current and anticipated future contributions to these areas. Candidates are also required to submit the names and contact information for at least three and up to five references.

We invite individuals with diverse backgrounds, experiences and abilities to be a part of our community.

Through teaching and collaborative research, SEAS discovers, designs and creates novel technologies and approaches to societal challenges - in service to the world, the nation, and our community. We bridge disciplines, both within and engineering and the applied sciences and beyond, to prepare broadly trained leaders, to advance foundational science, and to achieve translational impact. Our values include respect for all, serving the greater good, and welcoming individuals from diverse backgrounds and perspectives. For more information please visit www.seas.harvard.edu.

Apply URL: <https://sjobs.brassring.com/TGnewUI/Search/home/HomeWithPreLoad?PageType=JobDetails&partnerid=25240&siteid=5341&jobId=1498422>

SEAS is unable to provide Visa sponsorship for this position.

Hood College

Assistant Professor Positions

Assistant Professor in Information Technology

(ASSIS01639)

The Hood College Department of Computer Science & Information Technology invites applications for a full-time tenure-track Assistant Professor position beginning August 2020. Successful candidates should have a background and interests in one or more data-intensive areas of

computing and information technology such as data mining, data analytics, data science, and big data. For more information: <https://bit.ly/2QgJhKM>

Assistant Professor of Computer Science and Information Technology

(COMPU01640)

The Hood College Department of Computer Science and Information Technology invites applications for a full-time tenure-track Assistant Professor position beginning August 2020. Successful candidates should have a background and interests in one or more cybersecurity-related areas of computing and information technology such as systems and network security, forensics, secure software development, encryption, and information assurance. For information see: <https://bit.ly/2CGKRNv>

Idaho State University

Assistant Professor of Computer Science

Be part of a great team! Idaho State University's College of Science and Engineering is seeking an Assistant Professor of Computer Science. For complete job description, requirements, and application instructions visit jobs.isu.edu.

Idaho State University is an AA/EOE.

IMDEA SW Institute

Tenure-track Faculty Positions

The *IMDEA Software Institute* invites applications for tenure-track (Assistant

Professor) faculty positions. We are primarily interested in recruiting excellent candidates in the areas of Data Science, including Machine Learning; Security and Privacy; Cyber-Physical Systems; Software Engineering; and Systems, including Distributed Systems, Embedded Systems, etc. Exceptional candidates in other areas within the general research areas of the Institute will also be considered. Tenured-level (Associate and Full Professor) applications are also welcome.

The primary mission of the IMDEA Software Institute is to perform research of excellence at the highest international level in software development technologies. It is one of the highest ranked institutions worldwide in its main topic areas.

Selection Process

The main selection criteria are the candidate's demonstrated ability and commitment to research, the match of interests with the Institute's mission, and how the candidate complements areas of established strengths of the Institute. All positions require a doctoral degree in Computer Science or a closely related area, earned by the expected start date. Candidates for tenure-track positions will have shown exceptional promise in research and will have displayed an ability to work independently as well as collaboratively. Candidates for tenured positions must possess an outstanding research record, have recognized international stature, and demonstrated leadership abilities. Experience in

graduate student supervision is also valued at this level.

Applications should be completed using the application form at

<https://careers.software.imdea.org>

Please select the reference "2019-10-faculty-call" at the beginning of the form. For full consideration, complete applications must be received by December 20, 2019, although applications will continue to be accepted until the positions are filled.

Working at the IMDEA Software Institute

The Institute is located in the vibrant area of Madrid, Spain. It offers an ideal working environment, combining the best aspects of a research center and a university department. Its researchers can focus on developing new ideas and projects, in collaboration with world-leading, international faculty, post-docs, and students. Researchers also have the opportunity (but no obligation) to teach university courses. The Institute offers institutional funding and also encourages its members to participate in national and international research projects. The working language at the Institute is English.

Salaries at the Institute are internationally competitive and established on an individual basis. They include social security provisions in accordance with existing national Spanish legislation, and in particular access to an excellent public health care system.



**Assistant Professors in Computer Science
Indiana University, Bloomington**

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for two tenure-track assistant professor positions, in *machine learning and artificial intelligence* and in *quantum information* to begin Fall 2020. Duties will include research, teaching, and service.

Machine learning and artificial intelligence (ML/AI): Applications are solicited in all ML/AI areas. Focuses with applications to biomedicine and genomics are especially encouraged. This position is part of the *Precision Health Initiative (PHI)*, a multi-million dollar IU investment in research that aims to transform biomedical research, health care innovations and the delivery of health interventions in Indiana.

Quantum information: Candidates with research interests in formal models of computation, algorithms, and information theory, preferably with connection to quantum computation, quantum simulation, or quantum information science, are encouraged to apply. This position is part of an initiative for significant growth in these areas through the IU Center for Quantum Information Science and Engineering, bringing together researchers from multiple disciplines.

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in Computer Science or a relevant field expected before 8/2020. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

Apply online before 12/1/2019 for full consideration. Review will continue until the positions are filled. Requirements and submission for ML/AI are at <https://indiana.peopleadmin.com/postings/8505> (questions to Prof. David Crandall, djcran@indiana.edu); for Quantum at <https://indiana.peopleadmin.com/postings/8506> (questions to Prof. Amr Sabry, sabry@indiana.edu).

SICE is the first school of its kind and among the largest in the country, with unsurpassed breadth. Its mission is to excel and lead in research, education, and outreach spanning and integrating the breadth of computing, IT and modern engineering. It includes over 140 faculty and 3,000 students. It offers PhDs in Computer Science, Informatics, Information Science, and Intelligent Systems Engineering.

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle. IU is renowned for its top-ranked music school, high-performance computing and networking facilities, and performing and fine arts.

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

Further information about the Institute's current faculty and research can be found at <http://www.software.imdea.org>.

The IMDEA Software Institute is an Equal Opportunity Employer and strongly

encourages applications from a diverse and international community and underrepresented groups. The Institute complies with the European Charter for Researchers.

Indiana University Purdue University Indianapolis, IUPUI

*Lecturer, Computer Information
Technology*

The Purdue School of Engineering and Technology, Indiana University–Purdue University at Indianapolis (IUPUI) invites applications for one lecturer in the area of Information Technology. The anticipated start date is August 1, 2020 or possibly earlier.

The position will focus on teaching introductory information technology courses and coordinate the experience of first- and second-year undergraduate students. Experience with curriculum development and/or preparation of high school students for college is an advantage. We are particularly interested in applicants who have teaching experiences in web and mobile application development, programming, or cybersecurity.

The position requires teaching diverse undergraduate students, conducting scholarship of teaching and learning, and service to the Department, School, and IUPUI campus.

Qualifications include an M.S. in Information Technology, Computer Science, or a closely-related discipline from an accredited institution of higher education; proven experience in the discipline; and the ability to translate theories and concepts into practical applications.

Provide a CV, statement of teaching interests/philosophy with summary of



**INDIANA UNIVERSITY
SCHOOL OF
INFORMATICS, COMPUTING,
AND ENGINEERING**

**Faculty Positions in Intelligent Systems Engineering
Indiana University, Bloomington**

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for two tenure track/tenured faculty positions in Intelligent Systems Engineering (ISE) to begin in Fall 2020. Positions are expected to be filled at the assistant professor level but associate or full professor level may be considered. Duties include research, teaching, and service. ISE is an innovative program that focuses on the intersection of sophisticated computing methods and information technology with critical engineering problems. Current foci include bioengineering, computer engineering, robotics and cyberphysical systems, molecular and nanoscale engineering, environmental engineering, neuro-engineering, and intelligent systems. We are particularly interested in hiring in areas of computer engineering and computer systems engineering such as intelligent systems, applied machine learning and artificial intelligence, reconfigurable computing, high performance computing, embedded systems, VLSI and cyberphysical systems.

ISE offers BS, MS, and Ph.D. degrees. New faculty will have opportunity and responsibility to shape the development of curricula. There is a strong emphasis on world-class research, built around focused laboratories and proactively involving undergraduates. More information can be found at <https://www.engineering.indiana.edu>

Applicants should have demonstrable potential for excellence in research and teaching (junior level), or an established record of excellence in both (senior level), and a PhD in Engineering or a related field expected before August 2020. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations.

SICE is the first school of its kind and among the largest in the country. Its mission is to excel and lead in research, education, and outreach spanning and integrating the breadth of computing, IT and modern engineering. It includes over 140 faculty and 3000 students. Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle.

Candidates should review application requirements and submit applications at: <https://indiana.peopleadmin.com/postings/8500>

For full consideration, applications are due by December 1, 2019, but will be considered until the positions are filled. Questions may be sent to isechair@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

teaching evaluations (if any), and contact information for at least three references. Applications are welcome until the position is filled.

Apply for this position at <http://indiana.peopleadmin.com/postings/8979>.

Applications are welcome until the position is filled. IUPUI is an Equal Opportunity/Affirmative Action educator and employer and affords reasonable accommodations to persons with disabilities.

Indiana University Purdue University Indianapolis

*Assistant Professor of Computer and
Information Technology*

The Purdue School of Engineering and Technology, Indiana University-Purdue University Indianapolis (IUPUI) invites applications for one tenure-track faculty position in Computer and Information Technology with an anticipated start date of August 1, 2020, or possibly earlier. Applicants should have a strong record of research, show significant potential for establishing and sustaining an externally funded research program, and be committed to teaching both undergraduate and graduate courses.

We are particularly interested in applicants whose research focuses in the Cybersecurity area. Applicants whose research complements existing strengths in the department, including topics such as Data Science, Mobile Health, and Machine Learning and Artificial Intelligence will also be considered, as well as exceptional candidates in other areas. Candidates must have a Ph.D. in computer science, engineering, information technology, or a closely related discipline before the start date.

The Purdue School of Engineering and Technology at IUPUI has 7 academic departments with an extensive undergraduate and graduate degree portfolio, including numerous CAC, EAC, and ETAC of ABET-accredited B.S programs. The School has over 3,000 students, including approximately 500



Lecturer Positions in Computer Science, Informatics, and Intelligent Systems Engineering

The School of Informatics, Computing, and Engineering at Indiana University-Bloomington invites applications for multiple non-tenure track lecturer positions in three programs, **Computer Science**, **Informatics**, and **Intelligent System Engineering**, beginning in August 2020.

Computer science: We are particularly interested in candidates who can teach courses in one or more of the following areas: introductory programming (in Python, Java, or C/C++/C#), database concepts, data mining and analytics, introductory security, algorithm and data structure, math and logical foundations, software engineering, and game development.

Informatics: We are particularly interested in candidates who can teach our core courses in any of the following areas: mathematical foundations of informatics, human centered computing and human computer interaction, mobile application development, virtual and augmented reality, data science, software engineering and project management, or social and organizational informatics.

Intelligent systems engineering: We are particularly interested in candidates who can prepare and deliver courses in Computer Engineering and Cyber-physical Systems, potentially with applications in Nanoengineering and Bioengineering. Desirable skills include systems programming, systems design, and prototyping.

In addition to course responsibilities, lecturers will also be responsible for supervising associate instructors assigned to their classes, development of laboratory material, grading, and other duties as assigned.

After successfully completing a probationary period, lecturers will be eligible for long-term contracts and promotion to a Senior Lecturer position. Salary will be commensurate with qualifications and experience.

Candidates should possess a Master's of Science (MS) or higher degree in Informatics, Computer Science, Information Science, Engineering, or a related discipline, or equivalent tested experience such as experience and mastery in industry, and should be able to demonstrate a record of teaching excellence and enthusiasm. Applicants should preferably have two academic years' experience (may be part-time). SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

Lecturers at Indiana University are valued members of the faculty and are expected to support the teaching mission of the School of Informatics, Computing, and Engineering through excellence in pedagogical practice, service to the school and academic programs, and inquiry into the advancement of pedagogy in computing.

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle. IU is renowned for its top-ranked music school, high-performance computing and networking facilities, and performing and fine arts.

Apply online at:

Computer Science: <https://indiana.peopleadmin.com/postings/8691>

Informatics: <https://indiana.peopleadmin.com/postings/8692>

Intelligent Systems Engineering: <https://indiana.peopleadmin.com/postings/8693>

Consideration of applications will begin December 1, 2019. Applications will be considered until the positions are filled. Questions may be emailed to: sicehire+lecturer-2020@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.



Professional Opportunities



INDIANA UNIVERSITY **Luddy School of Informatics, Computing, and Engineering** **Chair of Computer Science**

The Luddy School of Informatics, Computing, and Engineering at Indiana University Bloomington invites applications for chair of computer science, a tenured full professor position to begin in Fall 2020. This position will be appointed as Luddy endowed faculty. The chair will enter the School at a transformative period of substantial new resources. A recent \$60 million gift to the School provides funding for significant faculty and student endowments as well as a state-of-the-art artificial intelligence facility. The Luddy School aspires to be the leading school of computing in the world.

The Luddy School seeks a dynamic individual with an international reputation and a thirst for excellence to lead the school's computing efforts. The chair will have significant ability to shape the growth of computer science in the School, including through several new tenure-track faculty lines.

Candidates from all areas of computer science are encouraged to apply. Applicants should have a world-class research record, a strategic vision for excellence in computer science research and education, and the academic and research leadership skills to advance that vision. They should also have an established record for excellence and a Ph.D. in computer science or another relevant area.

The School seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in working with diverse student populations. Women and minorities are encouraged to apply. Duties will include research, teaching, and service.

The Luddy School was the first of its kind and is among the largest in the country. Its mission is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing and information technology.

It includes computer science, informatics, library and information science, intelligent systems engineering, and data science, with 140 faculty, 1,100 graduate students, and 2,000 undergraduate majors. It offers Ph.D.s in computer science, informatics, information science, and intelligent systems engineering, and actively supports entrepreneurship.

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle. IU is renowned for its top-ranked music school, high-performance computing and networking facilities, and performing and fine arts.

Candidates should review the application requirements and apply online at: indiana.peopleadmin.com/postings/8907

For full consideration, submit your application by January 10, 2020. Applications will be accepted until the position is filled. Questions may be sent to: luddyjob+cs-chair@indiana.edu

Indiana University is an equal employment and affirmative action employer, and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.



LUDDY
SCHOOL OF INFORMATICS,
COMPUTING, AND ENGINEERING

graduate students pursuing either M.S. or Ph.D. programs. More information about the School is available at engr.iupui.edu/

The IUPUI campus has approximately 30,000 students and over 200-degree programs with annual research expenditures totaling over \$300M. With its strong commitment to diversity and inclusion, IUPUI is one of only a few universities to be recognized with the Higher Education Excellence in Diversity (HEED) Award each year since it was established in 2012. More information about IUPUI is available at www.iupui.edu

Applications must include a letter of interest, curriculum vitae, a summary of scholarship including teaching and research interests, and contact information for at least three references. Apply for this position at <http://indiana.peopleadmin.com/postings/8883>. Applications are welcome until the position is filled. IUPUI is an Equal Opportunity/Affirmative Action educator and employer and affords reasonable accommodations to persons with disabilities.

Iowa State University

*Assistant or Associate Professor of
Computer Science*

The Department of Computer Science in the College of Liberal Arts and Sciences at Iowa State University seeks outstanding applicants for a faculty position at the rank of tenure-track Assistant Professor or tenured Associate Professor. The

department is leading a NSF TRIPODS Phase I initiative on dependable data driven discovery (D4). The goal of this project is to advance foundational research on ensuring that data-driven discoveries are trustworthy and of high quality. The successful candidate is being sought to directly contribute to this project. We are specifically looking for experts in artificial intelligence, AI decision theory, foundations of machine learning, algorithmic foundations for data science, and algorithmic game theory.

The successful candidate will be responsible for developing and sustaining a strong research program; developing collaborative and interdisciplinary research; publishing in top venues; supervising outstanding graduate students; teaching undergraduate and graduate courses; and enhancing ISU through professional and institutional service. We are interested in exceptional candidates that can directly contribute to the D4 initiative. Preference will be given to candidates in the areas of artificial intelligence, machine learning and data science.

About the Department: The Computer Science department resides in the College of Liberal Arts and Sciences, the largest college at Iowa State University. The department currently consists of thirty full-time tenured/tenure-track faculty, six term faculty, and three lecturers. We offer B.S., M.S., and Ph.D. degrees in Computer Science. We are also one of the founding departments for the B.S. in Software Engineering,

B.S. in Data Science, Data Science Minor and Certificate along with the B.S. and Ph.D. degrees in Bioinformatics and Computational Biology. We are active in interdepartmental graduate programs in Bioinformatics and Computational Biology, Human-Computer Interactions, and Information Assurance. We have many interdisciplinary research collaborations, especially with faculty in the bio-sciences, mathematical sciences, and engineering. The Computer Science department has 672 B.S. students, 42 M.S. students, and 120 Ph.D. students. Almost all Ph.D. students are supported by research or teaching assistantships. We have strong research and educational programs in Algorithms and Complexity, Artificial Intelligence, Bioinformatics and Computational Biology, Databases, Data Mining, Information Assurance, Programming Languages, Molecular Programming, Multimedia Systems, Networks, Operating Systems, Robotics, and Software Engineering. Our department has over \$16 million in active research grants. With the above interdisciplinary activities included, we contribute to active research and training grants totaling approximately \$25 million.

To Apply:

https://isu.wd1.myworkdayjobs.com/en-US/IowaStateJobs/job/Ames-IA/Assistant-or-Associate-Professor-of-Computer-Science_RI252

Iowa State University

*Professor and Chair, Department of
Computer Science*

Summary of Duties and Responsibilities:

The College of Liberal Arts and Sciences at Iowa State University in Ames, Iowa seeks a tenured full professor and department chair for the Department of Computer Science. Nominations and applications for a visionary leader with demonstrated computer science and/or related experience are sought. Candidates are expected to demonstrate a commitment to continued excellence in discipline-leading education of undergraduate and graduate students, interdisciplinary and international research programs, and a deep understanding of diversity and inclusion.

The successful applicant for this position is expected to:

- Provide visionary leadership for the department to serve the needs of diverse faculty, staff, students, stakeholders, and citizens to fulfill the land-grant mission of the department, college, and university
- Serve both the department and dean's office in accomplishing their missions, and be a collaborative member of the college's leadership team across all missions and 21 departments
- Stimulate and facilitate excellence and impact in all aspects of teaching, research, outreach, and service, among

others, by building highly functioning and cross-disciplinary teams within the department and with key partners internal and external to the university

- Promote diversity, equity and inclusion among students, faculty and staff and across all aspects of the department's mission
- Recruit and retain talented people in all department positions, in line with the strategic plans of the department, college, and university
- Recruit and retain a diverse and inclusive student body of undergraduate and graduate students who are prepared to enter the profession
- Foster an environment in which all faculty and staff work to realize the department's purposes and are held accountable for their performance
- Assist faculty and staff to obtain resources through extramural funding by encouraging a culture of collaboration and innovation
- Encourage and foster interdisciplinary collaboration with other departments, centers, and institutes within and external to the university
- Communicate effectively the mission, vision and strengths of the department and college within Iowa State University and to external stakeholders and collaborators in the public and private sectors
- Nurture and maintain good alumni relations and build alumni support

Required Minimum Qualifications:

- Ph.D. or academic equivalent in any of the areas of expertise in the department, or a closely aligned field
- Demonstrated leadership abilities
- Exemplary record of achievement or appreciation for all missions of the university
- Recognition for research and scholarship commensurate with a full professor
- Must meet the university, college, and department requirements for appointment as tenured full professor

Preferred Qualifications:

- A vision for growth and development of the department, including the department's fit and role in interacting with other units at the university
- Evidence of commitment to fostering and promoting a climate and community of diversity and inclusion for students, faculty, and staff
- Demonstrated experience and accomplishments in areas of team-building, diversity, budget management, and administration

Department/Program & College Description:

The department is located in the College of Liberal Arts and Sciences which offers an outstanding learning and research community. Iowa State's most academically diverse college, LAS educates students to become global citizens, providing rigorous academic programs in the sciences, humanities

and social sciences within a supportive personalized learning environment. LAS has approximately 8,000 students among 21 departments, the Greenlee School of Journalism and Communication, and more than 20 additional cross-disciplinary programs. Our faculty members teach roughly 50 percent of all undergraduate student credit hours at Iowa State University, and the college offers nearly 50 baccalaureate degrees, in addition to Ph.D. and master's degrees. Iowa State University is an equal opportunity employer. Women and members of underrepresented minorities are strongly encouraged to apply. Iowa State University is responsive to the needs of dual-career couples, offers family-friendly policies, and is the recipient of a National Science Foundation ADVANCE award for gender equity.

The Computer Science department currently consists of 31 full-time tenure-track faculty members, 9 of whom are NSF CAREER Award winners. We offer B.S., M.S., and Ph.D. degrees in Computer Science and are critical partners for a B.S. in Software Engineering and in Data Science. The combined enrollment is over 1400 undergraduates and almost 200 graduate students. We have strong research and educational programs in Algorithms and Complexity, Artificial Intelligence, Bioinformatics and Computational Biology, Data Mining, Data Science and Machine Learning, Information Security, Molecular Programming, Multimedia Systems, Operating Systems and Networks, Robotics, and Software Engineering. These research projects are supported by ~\$4.5

million annual departmental expenditures from grant and contract awards. A dynamic and collegial faculty, a strong graduate program, and a well-funded research program provide an excellent academic environment. In addition, cutting-edge research and education is facilitated by departmental participation with interdisciplinary programs in Bioinformatics and Computational Biology and Human-Computer Interaction, the Laurence H. Baker Center for Bioinformatics and Biological Statistics, the Center for Integrative Animal Genomics, the Cyber Innovation Institute, the Information Assurance Center, the Department of Energy's Ames Laboratory, the Virtual Reality Application Center, and the Dependable Data Driven Discovery Institute.

Department Unit/Website:

<https://www.cs.iastate.edu>

Proposed Start Date: July 1, 2020

Number of Months Employed Per Year:

09 Month Work Period

Time Type: Full time

Pay Grade: 00 (Faculty)

Application Instructions:

To apply for this position, please click on "Apply" and complete the Employment Application. Please be prepared to enter or attach the following:

1. Resume/Curriculum Vitae
2. Letter of Application/Cover Letter
3. Contact Information for Three Professional References

Additional Required Applicant Materials:

4. Statement of Research Interests
5. Statement of Teaching Interests and/or Philosophy
6. Statement of Diversity and Inclusion
7. Email Contact Information for Three Referees to Provide Letters of Recommendation

Please attach documents 4-7 in the additional required documents section.

If you have questions regarding this application process, please email employment@iastate.edu or call 515-294-4800 or Toll Free: 1-877-477-7485.

For consideration, submit application before: February 4, 2020

Job Requisition Number: R1187

Please apply online at https://isu.wdi.myworkdayjobs.com/en-US/IowaStateJobs/job/Ames-IA/Professor-and-Chair--Department-of-Computer-Science_R1187

We encourage diverse applicants to apply. Iowa State University is an equal opportunity employer committed to excellence through diversity and strongly encourages applications from all qualified applicants, including women, underrepresented populations, and veterans. ISU is responsive to the needs of dual career couples, is dedicated to work-life balance through an array of policies, and is an NSF ADVANCE institution.

Iowa State University Software Engineering Program

*Teaching Professor -
Assistant, Associate or Full*

Appointment Type: Faculty

Iowa State University's Department of Electrical and Computer Engineering invites applications for an Assistant, Associate or Full Teaching Professor in the Software Engineering Program - <https://www.se.iastate.edu/>. May be full or part-time.

To see more details and apply for this position, please click on "Apply to this job" at https://isu.wdl.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Teaching-Professor---Assistant--Associate-or-Full_R242. Be prepared to include:

1. Letter of Application/Cover Letter
2. Resume/Curriculum Vitae
3. Statement of Teaching Philosophy
4. Contact Information for Three References (including phone and email)

Iowa State University

Assistant Teaching Professor

The Department of Computer Science at Iowa State University is accepting applications for a term faculty position at the rank of assistant teaching professor. Initial term is 3 years, beginning 1/1/2020, with the possibility for renewal. More details including application instructions are here https://isu.wdl.myworkdayjobs.com/en-US/IowaStateJobs/job/Ames-IA/Assistant-Teaching-Professor_R755.

Iowa State University

*Teaching Professor -
Assistant, Associate or Full*

Summary of Duties and Responsibilities:

The Department of Electrical and Computer Engineering (ECpE) at Iowa State University invites applications for the position of Assistant, Associate or Full Teaching Professor in the software engineering program. This position may be full or part-time.

Teaching Professors serve the program's educational mission through instruction, laboratory development, and curriculum innovation. Successful candidates will have experience that demonstrates ability, potential, and commitment to undergraduate education. This position will teach software engineering courses based on instructional need as well as the interests and expertise of the individual.

Candidates are expected to share our commitment to achieving excellence through diversity and inclusion. All faculty members are expected to interact collegially and maintain the highest standards of integrity and ethical behavior.

Required Minimum Qualifications:

Candidates at the Assistant Teaching Professor level should have a Bachelors degree in engineering or related discipline and 5 years of relevant work experience or a Masters degree in engineering or related discipline and 3 years of relevant work experience or a Doctoral degree in engineering or related discipline

Candidates at the Associate Teaching Professor level should have a record of teaching experience and one of the following; Bachelors degree in engineering or related discipline and 10 years of relevant work experience or a Masters degree in engineering or related discipline and 8 years of relevant work experience or a Doctoral degree in engineering or related discipline and 5 years of relevant work experience.

Candidates at the Teaching Professor level should have a record of teaching experience and one of the following; Bachelors degree in engineering or related discipline and 15 years of relevant work experience or Masters degree in engineering or related discipline and 13 years of relevant work experience or Doctoral degree in engineering or related discipline and 10 years of relevant work experience.

Preferred Qualifications: Experience in teaching classes or industry experience with topics such as software project management, software architecture, or software testing and maintenance.

Ph.D. in software engineering, computer engineering, computer science or closely related field

Department/Program & College Description:

The Bachelor of Science degree in software engineering is jointly administered by the College of Engineering and the College of Liberal Arts and Sciences. The Software Engineering

program provides undergraduate students with the opportunity to learn software engineering fundamentals, to study applications of state-of-the-art software technologies and to prepare for the practice of software engineering. The program emphasizes industrial practice and computer fundamentals. Modern software development practices and processes are incorporated in software engineering curriculum.

Department Unit/Website:

<http://www.se.iastate.edu/>

Proposed Start Date:

August 16, 2019

Proposed End Date or Length of Term:

May 15, 2022

Number of Months Employed Per Year:

09 Month Work Period

Time Type:

Part time

Pay Grade:

00 (Faculty)

Application Instructions:

To apply for this position, please click on "Apply to this job" at https://isu.wdl.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Teaching-Professor---Assistant--Associate-or-Full_R242 and complete the Employment Application. Please be prepared to enter or attach the following:

1. Letter of Application/Cover Letter
2. Resume/Curriculum Vitae
3. Statement of Teaching Philosophy
4. Contact Information for Three References (including phone and email)

Ithaca College

*Tenure Track Faculty Position
Computer Science*

The Ithaca College Computer Science Department invites applications for a tenure-eligible position starting in the 2020-2021 academic year. We are seeking candidates with knowledge in systems (e.g. "computer organization") and/or cybersecurity. Successful applicants will have an active scholarly agenda, show strong potential for teaching excellence, and be well-positioned to teach a variety of computer science courses at the undergraduate level. Candidates must value, as we do, the importance of using inclusive practices to promote an increasingly diverse population of students, staff, and faculty.

For more information or to apply see <https://ithaca.peopleadmin.com/postings/17055>

Johns Hopkins University

Tenure-Track Faculty

The Johns Hopkins University's Department of Computer Science seeks applicants for tenure-track faculty positions at all levels and across all areas

of computer science. The department will consider offers in two tracks: (1) an open track seeking excellent candidates across all areas of computer science; and (2) a track seeking candidates in the areas of human-computer interaction (HCI), human-AI interaction, computational health, artificial intelligence and machine learning. The search will focus on candidates at the junior level, but all qualified applicants will be considered.

Plans for faculty growth in the department are aligned with School and University initiatives in health and AI. Additionally, the faculty will continue to grow by adding excellent and diverse candidates across all areas of computer science. The HCI search is part of a newly-launched initiative (<http://hci.jhu.edu>) that seeks to transform existing HCI research activities across the university by making several faculty hires within Computer Science.

The Department of Computer Science has 31 full-time tenured and tenure-track faculty members, 8 research and 5 teaching faculty members, 200 PhD students, 200 MSE/MSSI students, and over 500 undergraduate students. There are several affiliated research centers and institutes including the Laboratory for Computational Sensing and Robotics (LCSR), the Center for Language and Speech Processing (CLSP), the JHU Information Security Institute (JHUISI), the Institute for Data-Intensive Engineering and Science (IDIES), the Malone Center for Engineering in Healthcare (MCEH), the Institute for Assured Autonomy (IAA), and other labs and research groups.

More information about the Department of Computer Science can be found at www.cs.jhu.edu and about the Whiting School of Engineering at <https://engineering.jhu.edu>.

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references.

Applications must be made on-line at <http://apply.interfolio.com/69225>. While candidates who complete their applications by December 15, 2019, will receive full consideration, the department will consider applications submitted after that date.

The Whiting School of Engineering and the Department of Computer Science are committed to building a diverse educational environment: <https://www.cs.jhu.edu/diversity/>.

The Johns Hopkins University is committed to equal opportunity for its faculty, staff, and students. To that end, the University does not discriminate on the basis of sex, gender, marital status, pregnancy, race, color, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, veteran status or other legally protected characteristics. The University is committed to providing qualified individuals access to all academic and employment programs, benefits and activities on the basis of demonstrated ability, performance, and merit without regard to personal factors that are irrelevant to the program involved.

Kansas State University

Dean of Carl R. Ice College of Engineering

Academic Career & Executive Search is pleased to assist Kansas State University in their search for the Dean of Carl R. Ice College of Engineering. Kansas State University, the nation's first land-grant university, invites applications and nominations for the position of Dean of Carl R. Ice College of Engineering. This is an extraordinary opportunity for a successful, driven, and nationally/internationally recognized leader to join a highly successful College of Engineering in a public R1, land-grant, university. Kansas State University, serving 22,000 students, is comprised of four campuses and a foundation.

At K-State, Deans are highly visible University-wide leaders. The Dean, reports to the Provost and Executive Vice President and serves on the Council of Academic Deans. The successful candidate will be an exceptionally collaborative, dynamic, strategic University leader well aligned with the University's strategic goals who can advance the missions of the College and University through a shared vision of education, research, teaching, and service.

You may view the complete job description or apply here: <https://acesrch.applicantstack.com/x/detail/a2lesjyaxuol>

Kennesaw State University

Tenure-Track Faculty of Software Engineering and Game Development

Kennesaw State University is now accepting applications for multiple nine-month, tenure track faculty positions in the Department of Software Engineering and Game Development with possible start dates in January 2020 or August 2020.

The Department of Software Engineering and Game Development is especially interested in candidates with research and/or teaching background in but not limited to Computer Game Design and Development, Computer Graphics, Virtual Reality, Augmented Reality, HCI and Software Engineering. The department currently has faculty with research interests spanning the above areas. Strong applicants in other areas of software engineering and game development and design will also be considered.

Candidates should have promising results in service, teaching and research. Candidates should be committed to excellence in teaching and research, expecting ~10% service.

An earned PhD or a terminal degree (or other international equivalent degrees) in a computing, software engineering, or computer game design discipline or closely related field is required for the positions.

For more than 50 years, Kennesaw State University has been known for its entrepreneurial spirit and sense of community. Offering campuses in Marietta and Kennesaw, the university

is located just north of Atlanta and combines a suburban setting with access to one of the country's most dynamic cities. As Georgia's third-largest university, Kennesaw State offers more than 100 undergraduate and graduate degrees, including a growing number of doctoral programs. Designated by the Board of Regents of the University System of Georgia as a comprehensive university, Kennesaw State is committed to becoming a world-class academic institution positioned to broaden its academic and research missions and expand its scope on a local, regional and national level.

For a full description of this position, application deadlines, and application procedures, visit <https://facultyjobs.kennesaw.edu>.

Kennesaw State University, a member of the University System of Georgia, is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of age, color, disability, national origin, race, religion, sex, sexual orientation, and/or veteran status. Georgia is an Open Records state.

Knox College

Tenure track position in Computer Science

The Department of Computer Science at Knox College invites applications for a full-time, tenure-track assistant professor beginning Fall 2020. Knox is an independent, selective liberal arts

institution with a strong commitment to undergraduate teaching and a mission of access. We are particularly interested in candidates who can contribute to teaching and learning for a diverse student body. Our students engage in a high level of both on-and-off-campus undergraduate research, internships, and application development with faculty.

Candidates in all areas of specialization are welcome, but we are especially interested in one or more of the following areas: Computer Science Education, AI/ Machine Learning, Computer Security/ Cryptography, HCI, and Graphics. Interest in leading undergraduate student/faculty research is highly desirable, as is an interest in interdisciplinary collaborations.

See https://www.knox.edu/documents/HR/Computer_Sci_Assistant_Prof.pdf for more information and application instructions.

Lawrence Berkeley National Laboratory

Postdoctoral Scholar in Scientific Data Management

Berkeley Lab's Scientific Data Management Research Group (SDM) within Computational Research Division has an immediate opening for a post-doctoral researcher to develop parallel I/O libraries and novel object-based storage technologies for upcoming exascale era.

SDM performs research in scientific data management and analysis for exascale computing and multi-petabyte

experimental and simulation datasets. The overarching goal of the group is to enable scientific discoveries through the design, analysis, and development of extreme-scale data management technologies that allow scientists to access their data more efficiently. Members of SDM group work closely with application scientists throughout the DOE Office of Science community (e.g., astronomy, astrophysics, climate change research, fusion research, high energy physics, nuclear science, and life sciences), with faculty and students from universities throughout the world, and with staff in the NERSC production computing facility as well as other DOE Leadership Computing Facilities. Group members have access to leading-edge computing platforms.

For more information or to apply visit: <http://50.73.55.13/counter.php?id=173137>

Lehigh University

Teaching Faculty Positions

Applications are invited for two full-time, non-tenure track, teaching faculty positions (Professors of Practice) in the Department of Computer Science and Engineering at Lehigh University (<http://www.cse.lehigh.edu>), to start no later than August 2020. An earlier start date may be possible.

Candidates must hold a graduate degree in Computer Science, Computer Engineering, or a closely related field. Successful applicants will have the skills and experience needed to teach core

courses in computer science, to include the capstone design course, as well as elective CSE courses in their areas of interest.

The CSE faculty includes ACM and IEEE fellows and five NSF CAREER award winners. The department offers a variety of undergraduate and graduate degree programs in Computer Science. Located in Bethlehem, Pennsylvania, Lehigh is 80 miles west of New York City and 50 miles north of Philadelphia, providing an accessible and convenient location that offers an appealing mix of urban and rural lifestyles.

Applications can be submitted online at <https://academicjobsonline.org/ajo/jobs/15158>, and should include a cover letter, curriculum vitae, teaching statement, diversity statement, and contact information for at least three references. Review of applications will begin November 15, 2019 and will continue until the positions are filled.

Lehigh University is an equal opportunity, affirmative action, and non-discrimination employer that provides competitive salaries and comprehensive benefits and has a well-developed infrastructure to address dual career and work-life balance matters. As demonstrated by the Core Values and the Principles of Our Equitable Community, Lehigh University is committed to the values of Integrity and Honesty, Equitable Community, Academic Freedom, Intellectual Curiosity, Collaboration, Commitment to Excellence, and Leadership.

Lehigh University is in Bethlehem, PA, in the rapidly growing Lehigh Valley metropolitan

area. The Lehigh Valley, with a population over 800,000, is located approximately one hour north of Philadelphia and 1.5 hours west of New York City. The University has a current enrollment of approximately 5,000 undergraduate students and 2,000 graduate students, and is planning to increase these enrollments in the next few years. Lehigh is investing substantially in new innovative research and academic programs to enhance its intellectual footprint. These investments, based on faculty-driven initiatives, will advance the University's commitment to research and to enhance student experiences.

Questions concerning this search may be sent to pop-search@cse.lehigh.edu.

Lehigh University

Tenure-track and PoP positions in Computer Engineering

The Electrical and Computer Engineering Department of the P.C. Rossin College of Engineering & Applied Science at Lehigh University invites applications for one tenure track position and one professor of practice position in the general areas of computer engineering, including but are not limited to: embedded and real time systems, energy-efficient architectures, cyber-physical systems, machine learning accelerators, hardware security, accelerators for bioinformatics, and edge computing.

Review of applications will begin in early December, and will continue until the positions are filled.

See <https://engineering.lehigh.edu/ece/about-department-electrical-and-computer-engineering/ece-job-openings> for details.

Lehigh University

Open Rank Tenure-Track Positions

Applications are invited for tenure-track and tenured upon arrival positions in the Computer Science and Engineering Department (<http://www.cse.lehigh.edu>) of Lehigh University. Outstanding candidates in robotics, systems/security, and artificial intelligence/machine learning/data science are sought for faculty positions at the ranks commensurate with experience. In addition, exceptional candidates in all areas of computer engineering and computer science will be considered. Successful applicants must hold a Ph.D. in Computer Science, Computer Engineering, or a closely related field or receive such degree prior to the official start of employment.

The CSE Department currently has six professors of practice and 16 tenure track professors who maintain outstanding international reputations in a variety of areas, including artificial intelligence, data science, robotics, and systems. The CSE faculty include several NSF CAREER award winners, fellows of the ACM, IEEE, NAI, and the Humboldt Foundation, and former program officers of the National Science Foundation. Successful candidates will have the opportunity to collaborate with our faculty in ongoing research projects

including those associated with Lehigh's interdisciplinary research institutes (<https://www1.lehigh.edu/research/interdisciplinary-research-institutes/data-intelligent-systems-computation>). The University and the Rossin College of Engineering are planning for the significant growth of the CSE faculty over the next few years. That plan includes hiring several tenure track faculty members this year.

The Department offers Ph.D. and M.S. degrees in Computer Science. All of our B.S. programs are fully accredited, including the unique B.S. in Computer Science and Business program which is accredited both in computer science and in business. Our undergraduate, Masters, and Ph.D. programs are vibrant and growing, with current enrollments of approximately 350 undergraduate and 50 graduate students. We anticipate doubling the graduate student population in the next few years. The Department's offices, labs, and facilities are situated in the newly renovated "Building C" on the Lehigh Mountaintop Campus, which offers beautiful views of the surrounding area. The Building's facilities include three high bays, one of which will be renovated in the coming months to house the Lehigh Robotics labs.

Lehigh University is an equal opportunity, affirmative action, and non-discrimination employer that provides competitive salaries and comprehensive benefits and has a well-developed infrastructure to address dual career and work-life balance

matters. As demonstrated by the Core Values and the Principles of Our Equitable Community, Lehigh University is committed to the values of Integrity and Honesty, Equitable Community, Academic Freedom, Intellectual Curiosity, Collaboration, Commitment to Excellence, and Leadership.

Lehigh University is in Bethlehem, PA, in the rapidly growing Lehigh Valley metropolitan area. The Lehigh Valley, with a population over 800,000, is located approximately one hour north of Philadelphia and 1.5 hours west of New York City. The University has a current enrollment of approximately 5,000 undergraduate students and 2,000 graduate students and is planning to increase these enrollments in the next few years. Lehigh is investing substantially in new innovative research and academic programs to enhance its intellectual footprint. These investments, based on faculty-driven initiatives, will advance the University's commitment to research and to enhance student experiences.

Applications for the senior, tenured upon arrival position must be submitted online at <https://academicjobsonline.org/ajo/jobs/14479>. Junior tenure-track position applicants should apply at <https://academicjobsonline.org/ajo/jobs/14448>. Applications should include a cover letter, curriculum vitae, both teaching and research statements, a diversity statement, and contact information for at least three references. Review of applications will



Assistant Professor in Computer Science

The Division of Computer Science and Engineering within the School of Electrical Engineering and Computer Science at Louisiana State University (LSU) - Baton Rouge invites applications for a tenure-track assistant professor position beginning August 2020. Our focus area of hiring is computer networking. Strong candidates in collaborative areas related with computer networking research and commitment to teaching networking courses are also encouraged to apply. Exceptionally qualified candidates in other areas of computer science will also be considered.

The successful applicant will possess a Ph.D. in Computer Science or other relevant discipline and will have a record of published research and the ability to attract funding. Applicants who are all but dissertation (A.B.D.) and will complete the Ph.D. by the time of appointment will be considered. Women and minorities are strongly encouraged to apply.

Submit Applications on the LSU Career Site.

<https://lsu.wd1.myworkdayjobs.com/LSU/job/LSU--Baton-Rouge/Assistant-Professor--Tenure-Track-R00040734>

LSU is committed to diversity and is an equal opportunity/access employer.

Questions or concerns can be directed to the LSU Human Resources Management Office at HR@lsu.edu

begin immediately. Interview invitations and job offers will be made on a rolling basis until all positions are filled.

Questions concerning this search may be sent to faculty-search@cse.lehigh.edu.

Marquette University

Assistant Professor In Computer Science

The Department of Computer Science of Marquette University invites applications for two tenure-track

positions in computer science at the rank of Assistant Professor to begin in August 2020. The Department seeks two individuals with a doctorate by time of appointment in computer science or a closely related field, whose areas of expertise address one of the many facets of the broadly defined areas in data science and cybersecurity. Examples include data-focused research in artificial intelligence, machine learning, bioinformatics, biomedical and health informatics, visualization and visual analytics, human-computer interaction, social computing, privacy, ethics, and cybersecurity research on cryptography, cryptographic hardware, secure software development, formal verification, language-based security, forensics, cloud and edge computing. Candidates with research in other areas with similar data science and security emphasis will be considered and are encouraged to apply. Exceptional candidates with research interests in other areas related to computer science will also be considered.

Preference will be given to applicants whose strong research record demonstrates potential for establishing an externally funded research program, and who can contribute to the Ph.D. program in Computer Science. Furthermore, candidates should demonstrate the ability to teach at the undergraduate and the graduate levels, and have excellent oral, written, and interpersonal skills.

The Department highly regards and encourages interdisciplinary research in both academia and industry. Marquette University is experiencing significant growth in computer science, data science, and affiliated areas. Marquette has recently partnered with Northwestern Mutual on a \$40 million venture to establish the Northwestern Mutual Data Science Institute. This venture will provide research opportunities for the existing and new faculty members. For more information about the current Department and its programs, see <https://www.marquette.edu/computer-science/>.

Marquette, an EOE that values diversity, is a Catholic Jesuit university routinely listed among the country's top universities renowned for academic rigor, innovation and achievements of its community of scholars. Across 10 colleges, Marquette offers a choice of 82 undergraduate majors, 78 minors, 65 doctoral and master's degrees, and 21 graduate certificate programs. More information is available at <https://www.marquette.edu>. We seek candidates who can contribute to the university mission, which can be found at <https://www.marquette.edu/about/mission.php>. Candidates from underrepresented groups in computing are particularly welcome.

For more information, or to apply for the position, please see the listing on Marquette University's electronic recruitment system:

<https://employment.marquette.edu/postings/12344>

Formal review of applicants will begin on November 2, 2019 and will continue until the position is filled.

Please direct inquiries to: Dennis Brylow (dennis.brylow@marquette.edu)

Chair, Computer Science Faculty
Search Committee

Marywood University

Assistant Professor of Computer Science (Tenure-Track)

The Marywood Department of Science, Mathematics, and Computer Science invites applications for a tenure track Assistant Professor of Computer Science beginning August 2020. Qualified candidates must possess a Ph.D. in Computer Science by date of appointment. Responsibilities include teaching range of undergraduate courses in Computer Science. Student advisement, scholarly activities, and university, professional, and community service are expected. Prior college teaching as primary instructor, curriculum development, and/or ABET accreditation process preferred. Review continues until position is filled. For full consideration, apply by November 20. To apply, submit letter, statement of teaching philosophy, CV, and copies of graduate and undergraduate transcripts, a research statement, and three letters of recommendation using the online link

<http://www.marywood.edu/employment/detail.html?id=8c96fd79-12cc-419d-9b2a-222a092530da&pageTitle=Position%20Available:%20Assistant%20Professor&crumbTrail=Assistant%20Professor>

Additional information at www.marywood.edu. **AA/EEO.**

McGill University

Tenure-track positions at the School of Computer Science

The School of Computer Science of McGill University, Montreal, invites applications for several tenure-track appointments at all ranks with expertise in the broad area of machine learning and its interface with other fields of computer science. Specific areas of interest include:

- Theoretical foundations of machine learning
- Machine learning algorithms
- Security, privacy, robustness, or reliability in AI or AI-driven fields
- Computer systems for big data analytics and machine learning

Candidates should have a doctoral degree at the date of appointment and must have demonstrated the capacity for independent research of excellent quality. The successful candidates will be expected to conduct high-quality research and secure competitive external funding, teach to a diverse and talented student body and provide service to the University, the profession and society at large.

Salary will be negotiable, according to qualifications and experience. Outstanding candidates with specialization in core machine learning will be recommended to receive a CIFAR Chair in AI (<https://www.cifar.ca/ai/pan-canadian-artificial-intelligence-strategy>). The expected start date is August 1, 2020.

For more detailed information and to apply, please consult our website at: <https://www.cs.mcgill.ca/employment/faculty/>

The selection process will begin November 18, 2019, and continue until the positions are filled.

Montreal is home to a very active AI and IT community, including university-led institutes such as MILA, industry-led AI research groups (Google, Facebook, Microsoft, Samsung, Borealis, Thales, and several more), as well as a thriving startup community. Montreal is a historic and cosmopolitan city, home to six universities, and considered one of the best cities for students.

McGill University is among the top research intensive academic institutions in Canada and has been consistently ranked in the top universities worldwide in a number of recent surveys. The School of Computer Science offers a collegial environment with opportunities for interaction with world-class researchers in machine learning, robotics, social data science, bioinformatics, natural language processing, theory, big data systems, communications, and more.

Commitment to Equity and Diversity

McGill University is committed to equity and diversity within its community and values academic rigour and excellence. We welcome and encourage applications from racialized persons/visible minorities, women, Indigenous persons, persons with disabilities, ethnic minorities, and persons of minority sexual orientations and gender identities, as well as from all qualified candidates with the skills and knowledge to engage productively with diverse communities.

All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.

For more details see <https://www.mcgill.ca/apo/academic-life-cycle/tenure-track-academic-staff-professors-and-librarians/recruitment>

Miami University

Chair and Professor - Computer Science & Software Engineering

Computer Science & Software Engineering: Chair & Professor to be the academic and administrative leader of the department. The department chair will serve as a member of the Advisory and Leadership Councils of the College of Engineering and Computing and will report to the Dean of the College. Responsibilities include budgeting, staffing, scheduling, supervising, and mentoring; enhancing the

strong undergraduate program; growing its master's level graduate program; broadening research efforts; overseeing curriculum, facilities, and accreditation processes, performing alumni outreach; helping to elaborate and implement a vision for the department and the department's future directions; recruiting faculty and students; providing guidance and evaluation for promotion and tenure and departmental fiscal management; leading the faculty to achieve personal and departmental goals; working with staff, students, and other constituents; promoting diversity of faculty and students; teaching and performing research duties as appropriate.

Required: Earned doctorate in Computer Science, Software Engineering, or related engineering or science discipline that is aligned with the educational and research thrusts of the department; established record of teaching, research and service; has achieved the rank of Professor, or is qualified to be appointed to the rank of Professor in the Department of Computer Science and Software Engineering by the start of the 2020-2021 academic year.

Consideration may be given to candidates with appropriate and significant academic administrative experience.

Submit a cover letter (including the vision of the department and leadership philosophy), curriculum vitae, statement teaching experience and philosophy (maximum of three pages), and statement of research experience (maximum of three pages) to <http://jobs.miamioh.edu/cw/en-us/job/496259/chair-professor>.

Department will request letters of recommendation from references listed in the application. For inquiries about the position, contact csechairsearch@miamioh.edu. Screening of applications will begin January 15, 2020, and will continue until the position is filled.

Miami University, an Equal Opportunity/Affirmative Action employer, encourages applications from minorities, women, protected veterans and individuals with disabilities. Miami University prohibits harassment, discrimination and retaliation on the basis of age (40 years or older), color, disability, gender identity or expression, genetic information, military status, national origin (ancestry), pregnancy, race, religion, sex/gender, status as a parent or foster parent, sexual orientation, or protected veteran status in its application and admission processes, educational programs and activities, facilities, programs or employment practices. Requests for reasonable accommodations for disabilities related to employment should be directed to ADAFacultyStaff@MiamiOH.edu or 513-529-3560.

As part of the University's commitment to maintaining a healthy and safe living, learning, and working environment, we encourage you to read Miami University's Annual Security & Fire Safety Report at: <http://www.MiamiOH.edu/campus-safety/annual-report/index.html>, which contains information about campus safety, crime statistics, and our drug and alcohol abuse and prevention program designed to prevent the unlawful

possession, use, and distribution of drugs and alcohol on campus and at university events and activities. This report also contains information on programs and policies designed to prevent and address sexual violence, domestic violence, dating violence, and stalking. Each year, email notification of this website is made to all faculty, staff, and enrolled students. Written notification is also provided to prospective students and employees. Hard copies of the Annual Security & Fire Safety Report may be obtained from the Miami University Police Department at (513) 529-2223. A criminal background check is required. All campuses are smoke- and tobacco-free.

Michigan State University

Department of Media and Information Faculty

The Department of Media and Information (M&I) at Michigan State University is home to a dynamic, interdisciplinary faculty who are internationally recognized for their cutting-edge research on the design, uses and implications of information and communication technologies (ICTs).

The successful candidates will have a Ph.D. in a relevant field. Review of applicants will begin December 6, 2019. The expected start date for both positions is August 16, 2020.

Open Rank Tenure System Faculty

We welcome applications from emerging and established scholars in information science or related disciplines whose

research answers significant questions about technology, and its impacts on individuals, groups, and society. We are especially interested in applicants whose research interests complement our department's strengths in: human-computer interaction (HCI), information communication technology and development (ICTD), information systems, social computing, game studies, digital inequality and impacts of ICTs, and health informatics. Scholars who examine topics concerning diversity and its relationship to ICT design and/or use are encouraged to apply.

Outstanding candidates may be considered for a Brandt Endowed Professorship. Ellis (Ned) Brandt was a graduate of MSU's School of Journalism, and a prominent Michigan philanthropist.

See <https://careers.msu.edu/cw/en-us/job/502699/assistantassociatefull-professor-tenure-system> for more details.

MSU is an Affirmative-Action, Equal-Opportunity Employer

Michigan State University

Computer Science and Engineering

Multiple faculty positions in different areas of Computer Science

The Department of Computer Science and Engineering in the College of Engineering at Michigan State University is in a phase of significant and sustained growth and expansion. We are pleased to invite applications at all ranks and in all areas of Computer Science, including those that

intersect with other fields. Multiple tenure-system faculty positions are available.

The Department is looking for highly motivated applicants who can complement the department's strength and expertise. Cluster hires will also be considered. Candidates must have an earned PhD in computer science or a related field. Tenure-system computer science faculty are expected to establish a vibrant, sustainable and internationally visible research program; make significant scholarly contributions to their discipline; be an effective teacher and mentor of both undergraduate and graduate students; and engage in institutional and professional service as well as public outreach.

The Department has strong research programs in all major areas of Computer Science and Engineering. The department has accredited B.S. degree programs in Computer Science and Computer Engineering. There are currently over 170 graduate students and 1,400 undergraduate students in the department. Department faculty are actively involved in leading several national-level centers, including BEACON, an NSF Center for the study of evolution in action that is headquartered at MSU. MSU's annual research expenditure is around \$695M. University researchers and scholars are internationally renowned and are facilitating broad social, economic and technological impact.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing.

The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is pro-active in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>

Interested individuals should submit their application through <http://careers.msu.edu> and refer to posting #605519. Applicants must submit (a) a cover letter summarizing their qualifications and highlighting up to five prominent works, (b) a detailed resume, (c) two vision statements: one describing their planned research program, and the other describing their teaching philosophy, including mentoring, outreach, and promoting a diverse and inclusive environment, and (d) the names and contact information of at least three references. For full consideration, applications should be received before November 1, 2019. Applications will be reviewed on a continuing basis thereafter until all positions are filled. However, the search committee reserves the right to begin the evaluation process before November 1, 2019, and issue offers on a rolling basis. Therefore, interested individuals are encouraged to submit their application packet as soon as possible.

Nominations or questions are welcome by contacting the search committee chair at faculty-search-chair@cse.msu.edu

Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.

MSU is an affirmative-action, equal opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The university actively encourages applications or nominations of women, persons of color, veterans, and persons with disabilities.

Michigan State University

Machine Learning Algorithms and Applications Faculty

The Department of Computational Mathematics, Science and Engineering (CMSE), in partnership with the Departments of Biomedical Engineering, Computer Science and Engineering, and Electrical and Computer Engineering at Michigan State University invite applications for a tenure-system faculty position in the broad area of machine learning with a start date of August 16, 2020. This position would be a joint appointment between CMSE and one of the partner departments listed above. Candidates must have earned a PhD in computer science, applied or computational mathematics, applied statistics, or in a field of science or engineering but with substantial expertise in machine learning. The position will

be filled at the assistant, associate or full professor level depending on the qualifications and record of the successful candidate. The candidate is expected to establish a sustainable research program, make significant scholarly contributions to their discipline, be an effective teacher and mentor of both undergraduate and graduate students, engage in institutional and professional service, and support MSU's diverse student population.

Exceptional candidates from all areas of machine learning will be considered, with a particular emphasis on areas pertaining to sequential data analysis, computer vision, generative models, reinforcement learning, and the theoretical foundations of machine learning. Candidates who focus on the development of new machine learning algorithms, as well as those who apply existing algorithms to novel problems in science and engineering, will be considered for this position. Domains of interest include (but are not limited to) biomedical imaging, single-cell genomics, inverse problems, autonomous driving, cybersecurity, computer graphics, natural language processing, and materials science. The ideal candidate should document high quality publications of research at premier peer-reviewed journals and conferences across machine learning and related application areas.

Michigan State University has made a bold new effort by launching the Department of Computational Mathematics, Science, and Engineering, recognizing that computational and data science is a fundamental area of research in the

21st century. The department seeks to create an interdisciplinary environment that fosters a new breed of researchers who will address emergent problems in science and engineering. The candidate's primary appointment will be in the Department of CMSE, and depending on their research interests will have a minority appointment in either the Department of Biomedical Engineering, Computer Science and Engineering, or Electrical and Computer Engineering.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>. Information about WorkLife at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>

Interested individuals should submit an application for this position through <http://careers.msu.edu> and refer to job #600895. Applicants must submit a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and contact information for at least three references. For full consideration, applications must be received by November 15, 2019. Nominations or

questions are welcome by contacting the search committee chair, Professor Brian O'Shea, through email at oshea@msu.edu

MSU is an affirmative action, equal opportunity employer. MSU is committed to achieving excellence through cultural diversity. The university actively encourages applications or nominations of women, persons of color, veterans and persons with disabilities.

Michigan Technological University

Assistant, Associate or Visiting Assistant Professors

Michigan Technological University's College of Computing and College of Engineering invites applications for the following positions.

Visiting Assistant Professor,
College of Computing

Applications received before October 20, 2019, will receive the highest priority

<https://www.jobs.mtu.edu/postings/8538>

Assistant Professor, Computer Science Department

<https://www.jobs.mtu.edu/postings/8535>

Assistant or Associate Professor, CNSA/MERET/HI Division, 2 positions

<https://www.jobs.mtu.edu/postings/8530>

Assistant or Associate Professor, College of Computing and College of Engineering, 5 positions

<https://www.jobs.mtu.edu/postings/8604>

Michigan Tech is building a culturally diverse faculty committed to teaching and working in a multicultural environment and strongly encourages applications from all individuals.

Michigan Tech is an ADVANCE institution, and has twice received National Science Foundation funds in support of efforts to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM. Michigan Tech actively supports dual-career partners to retain a quality workforce. Candidates are invited to bring a guest to an on-campus interview and we offer career exploration advice and assistance finding positions at the University and in the local community <https://www.mtu.edu/provost/programs/partner-engagement>.

The College has 32 faculty members, 650 undergraduate students in five degree programs (Computer Science, Software Engineering, Computer Network and System Administration, Cybersecurity, and Electrical Engineering Technology) and 90 graduate students in four MS degree programs (Computer Science, Cybersecurity, Health Informatics, and Mechatronics) plus the PhD in Computer Science. Michigan Tech is an internationally renowned doctoral research university with 7,100 students,

and 400 faculty located in Houghton, Michigan, in the scenic Upper Peninsula on the south shore of Lake Superior. The area provides a unique setting where natural beauty, culture, education, and a diversity of residents from around the world come together to share superb living and learning experience.

Review of applications begins immediately and continue until the positions are filled. Applications should be submitted online at <https://www.mtu.edu/hr/job-postings/>.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer, which includes providing equal opportunity for protected veterans and individuals with disabilities.

Michigan Tech does not discriminate on the basis of race, creed, color, national origin, sex, marital status, sexual orientation, gender identity, age, disability, religion, honorably discharged veteran or military status, or the use of a trained guide dog or service animal by a person with a disability. Persons requiring reasonable accommodation in the application process or requiring information in an alternative format should contact Human Resources at mtujobs@mtu.edu or 906/487-2280.

Microsoft Research

Full-time researchers Positions at Microsoft Research New York City

We seek outstanding applicants for full-time researcher positions at Microsoft Research NYC. We are hiring

in the areas of *Computational Social Science; Economics and Computation* and *Microeconomics; Fairness, Accountability, Transparency, and Ethics in AI (FATE);* and *Systems*. We seek junior as well as more experienced applicants, with the passion and ability to craft and pursue an independent research program. We encourage candidates with both theoretical and applied interests to apply. The earliest start date is July 1, 2020.

To be assured of full consideration, all application materials, including reference letters, need to be received by **December 1, 2019**. Applications received after that date may or may not be considered. To apply, please go to the [Career Opportunities page](#) and choose the appropriate job posting(s).

Microsoft Research NYC offers an exhilarating and supportive environment for cutting-edge research, both theoretical and applied, with access to an extraordinary diversity of big and small data sources, an open publications policy, and close links to top academic institutions around the world. We are particularly proud of the interdisciplinary work that MSR-NYC has been able to foster, and welcome applications from those interested in working across disciplines. For more information on the lab's members and their interests, see [the lab's webpage](#).

As a community, we are committed to building an inclusive, diverse, and pluralistic research environment. We work

collectively to make MSR a welcoming and conducive space for all researchers.

Middle Tennessee State University

Tenure-Track Assistant/Associate Professor

The Department of Computer Science at MTSU (<http://www.mtsu.edu/csc/>) invites applications for three assistant/associate professor tenure-track positions beginning August 1, 2020.

Qualified applicants are encouraged to apply for both postings. When applying for both postings, a complete, separate application needs to be submitted for each posting.

Applicants for all positions must hold a doctorate degree in computer science or related field by August 1, 2020. All positions require a commitment to excellence in both teaching and research. The successful applicant must be willing to teach both undergraduate and graduate courses and engage students (including undergraduates) in research.

For posting 1 (one position) - Computer Science (Data Science program)

Tenure-Track Faculty - The successful applicant would have interdisciplinary research interests that fit within the Data Science program at MTSU. Applicants are invited from all areas of computer science, but we are particularly interested in applicants whose research is in the fields of cloud computing, high-performance computing, or data science. Applications

can be submitted at <https://mtsujobs.mtsu.edu/postings/8655>.

For posting 2 (two positions) - Computer Science, Tenure-Track Faculty

- Applicants are invited from all areas of computer science, but we are particularly interested in applicants with a background in high-performance computing, cyber security, machine learning, mobile computing, or data science. Applications can be submitted at <https://mtsujobs.mtsu.edu/hr/postings/8653>

The Department offers both BS and MS degrees and has close ties with the Data Science program and the Computational Sciences PhD Program. The BS with concentration in Professional Computer Science program is ABET accredited. There are over 500 undergraduate and graduate majors.

MTSU is a Carnegie classified Doctoral/Research University (DRU) with over 23,000 students, and is located 35 miles south of Nashville in Murfreesboro, TN.

Apply at <https://mtsujobs.mtsu.edu/>. Include cover letter, curriculum vitae, statement of teaching philosophy, and research statement. If selected for an on-campus interview, letters of recommendation will be solicited automatically providing a link for response. Official transcripts (not issued to student) of all degrees are required prior to the interview. Inquiries to Dr. Medha Sarkar (Medha.Sarkar@mts.edu), Dept. of Computer Science, MTSU Box 48, 1301 E. Main St.,

Murfreesboro, TN 37132. Application review begins October 30th, 2019 and continues until the position is filled. Call 615-898-5128 for application process questions. EO/AA Employer.

Milwaukee School of Engineering

Computer Science and Software Engineering Faculty

The Electrical Engineering and Computer Science (EECS) department at the Milwaukee School of Engineering (MSOE) seeks applicants to fill multiple Computer Science (CS) and Software Engineering (SE) faculty positions at all ranks. MSOE expects, rewards, and supports a strong primary commitment to excellence in teaching. Faculty enjoy small class sizes and hands-on labs as well as continuous improvement and sustained professional development. Among the department's strengths are strong partnerships with numerous businesses and academic institutes, which guide applied projects, undergraduate research, and curriculum development. To view the full advertisement, receive application instructions, and apply, please visit <http://www.milwaukeejobs.com/j/39659781>

It is the policy of MSOE to provide equal employment opportunity to all individuals regardless of their race, ethnicity, color, creed, religion, sex, age, national origin, physical or mental disability, military and veteran status, sexual orientation, gender identity, genetic characteristics, marital status or any other characteristic

protected by local, state or federal law. This policy applies to all jobs at the University and to all the terms, benefits, and conditions of employment/enrollment.

Mississippi State University

Faculty Positions in Computer Science and Engineering

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>) is seeking two new tenure-track faculty at the rank of Assistant Professor or Associate Professor in the area of Cybersecurity.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The Department of Computer Science and Engineering offers a B.S. in computer science, software engineering, and computer engineering. It also offers an M.S. in computer science and cyber security operations, and a Ph.D. in computer science. In the last fiscal year, department's research expenditures totaled approximately \$10 million, and the university as a whole is ranked 60th among U.S. institutions in computer science expenditures.

Candidates for this position are expected to hold a Ph.D. in Computer Science or closely related field (ABDs may be considered). Rank will be commensurate with experience and qualifications. Preferred qualifications include teaching and research experience, a substantial record of peer-review publications, and demonstrated ability to secure external

funding. However, recent graduates with exceptional academic credentials are encouraged to apply. Preference will be given to individuals with a track record of interdisciplinary research collaboration.

Candidates must apply at: <http://explore.msujobs.msstate.edu/cw/enus/job/499263?ApplicationSubSourceID> and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications has begun and will continue until the position is filled.

MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, ethnicity, sex (including pregnancy and gender identity), national origin, disability status, age, sexual orientation, genetic information, protected veteran status, or any other characteristic protected by law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

Mississippi State University

Faculty Positions in Computer Science and Engineering

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>)

is seeking new tenure-track faculty at the rank of Assistant Professor or Associate Professor. All areas of Computer Science are considered but preference is given to Artificial Intelligence and Data Science.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The Department of Computer Science and Engineering offers a B.S. in computer science, software engineering, and computer engineering. It also offers an M.S. in computer science and cyber security operations, and a Ph.D. in computer science. In the last fiscal year, department's research expenditures totaled approximately \$10 million, and the university as a whole is ranked 60th among U.S. institutions in computer science expenditures.

Candidates for this position are expected to hold a Ph.D. in Computer Science or closely related field (ABDs may be considered). Rank will be commensurate with experience and qualifications. Preferred qualifications include teaching and research experience, a substantial record of peer-review publications, and demonstrated ability to secure external funding. However, recent graduates with exceptional academic credentials are encouraged to apply. Preference will be given to individuals with a track record of interdisciplinary research collaboration.

Candidates must apply at: <http://explore.msujobs.msstate.edu/cw/enus/job/499120?ApplicationSubSourceID> and attach a cover letter, curriculum

vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications has begun and will continue until the position is filled.

MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, ethnicity, sex (including pregnancy and gender identity), national origin, disability status, age, sexual orientation, genetic information, protected veteran status, or any other characteristic protected by law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

Missouri University of Science and Technology, Rolla, Missouri

Multiple Open-Rank Faculty Positions in Computer Science

<https://cs.mst.edu/>

The Department of Computer Science at the Missouri University of Science and Technology (Missouri S&T) in Rolla, Missouri is seeking outstanding applicants for multiple open-rank tenure-track/tenured (TT/T) faculty positions, in all areas of Computer Science. Preference will be given to applicants who can

contribute to the department's areas of strength such as: cyber-physical systems, security, data science, machine learning, IoT, and artificial intelligence. Competitive salary commensurate with the rank of the position and qualifications of the candidate will be offered.

The successful TT/T candidate will be expected to have strong commitments to contributing to the departmental and college efforts, high-quality teaching at both the undergraduate and graduate levels, and service in our institution, department and campus, and the applicant's professional community, supporting diversity of both student body and faculty.

Applicants must hold a Ph.D. in Computer Science or a closely related field by the appointment start date. Missouri S&T's Computer Science Department has a proud 50+ year history of positively impacting society through groundbreaking research, and advancing the quality and breadth of its educational mission, granting an ABET-accredited BS, as well as MS and PhD degrees. Further details on required and desired attributes, skills and characteristics of the successful candidate, and the department's vision and strategic plan, activities, and research may be found at <https://cs.mst.edu>.

Missouri S&T's Department of Computer Science, the campus, and the greater University of Missouri System are deeply committed to inclusion and valuing diversity. S&T has undertaken a number

of initiatives to improve campus life and the work-life balance of its faculty and staff (see <https://hr.mst.edu/>). Missouri S&T particularly encourages applications from dual-career couples and will strive to accommodate their specific needs.

Interested candidates must apply at: <https://hr.mst.edu/careers/academic-employment/> and electronically submit their application consisting of 1) cover letter, 2) current curriculum vitae, 3) research statement, 4) teaching statement, 5) diversity statement, 6) contact information for at least four references. The acceptable electronic format is PDF.

Applications will be reviewed as they are received and the review of applications will continue until the position is filled. For full consideration and early action, applicants must apply by December 15, 2019. For more information, please contact the Search Committee Chair, Dr. Sanjay Madria, at: madrias@mst.edu.

Monash University

Research Fellow - DARPA

The Machine Learning group at Monash University is seeking applications for a postdoctoral position in the exciting area of learning deep neural networks with less labels. Areas of interest include (but not limited to): learning to learn and meta-learning, deep generative models, reinforcement/imitation learning, and semi-supervised/multitask/transfer learning. The potential applications may include, machine translation, object

detection/recognition, activity recognition, image captioning, or alike.

The AI/ML group at Monash includes world-class researchers, eg Prof Wray Buntine and Prof Dinh Phung, who are involved in this project. Monash University is one of the top universities in Australia. It is located in Melbourne, which is consistently ranked as one of the top liveable cities in the world.

The position is for two years with a potential extension. The start date is flexible with a preference in January 2020. The salary is AUD 90K+ per year. Candidates must have a Ph.D. in Computer Science or a related field, and a strong publication record in venues such as NeurIPS, ICML, ACL, EMNLP, CVPR, ICCV, UAI, AISTATS, ICLR.



HEAD AND PROFESSOR DEPARTMENT OF COMPUTER SCIENCE

National University of Singapore (NUS) seeks to appoint a distinguished scholar, with outstanding academic and administrative leadership record as Head, Department of Computer Science. The new Head will build upon the strengths and illustrious achievements of the Department and lead the Department in all administrative and academic matters, including strategic planning, research and program development and funding.

The Department of Computer Science, with over 80 faculty members, has a long track record in grooming leaders for the digital economy. The Department currently has approximately S\$160 million of funded research from various granting agencies and its' internationally recognized faculty members conduct research in the areas of Artificial Intelligence, Database Management, Media, Systems and Networking, Computational Biology, Theoretical Computer Science, Programming Languages and Software Engineering.

Established in 1998, NUS School of Computing has two Departments: Computer Science and Information Systems & Analytics. It has a student population of about 4,400, out of which 800 are graduate students. For more information, please visit: www.comp.nus.edu.sg

NUS is Singapore's flagship university which offers a global approach to education and research with a focus on Asian perspectives and expertise. Its 17 faculties and schools provide a broad-based curriculum underscored by multi-disciplinary courses and cross-faculty enrichment. Its transformative education includes programmes such as student exchange, entrepreneurial internships at 11 NUS Overseas Colleges, as well as double degree, concurrent degree, and joint degree programmes with some of the world's top universities.

NUS is an equal opportunity employer that offers highly competitive salaries and is situated in Singapore, an English-speaking cosmopolitan city that is a melting pot of many cultures, both the east and the west. Singapore offers high-quality education and healthcare at all levels, as well as very low tax rates.

Please send applications and nominations, with detailed curriculum vitae with a list of publications, research and teaching statements together with the names/contacts of at least three references by **15 December 2019** to Distinguished Professor Ooi Beng Chin, Chair of Head Search Committee at the e-mail address cshodrec@comp.nus.edu.sg.

Applicants must apply before the deadline November 30, 2019, via: <http://careers.pageuppeople.com/513/cw/en/job/599324/research-fellow-darpa>

For more information, please feel free to contact A/Prof Reza Haffari: gholamreza.haffari@monash.edu

Nazareth College

*Assistant Professor ~
Math (Computer Science)*

The Mathematics Department of Nazareth College of Rochester, New York, invites applications for a tenure-track position at the rank of Assistant Professor to begin Fall 2020.

The College is currently developing a new interdisciplinary Institute for Technology, AI, and Society. The ideal candidate will teach programming courses and also have an interest and expertise to help develop and teach courses associated with the new institute. The ideal candidate will have interest and expertise in the ethical use of Computer Science and/or Data Science. We are particularly interested in candidates who focus on potential bias and other social and ethical concerns in the field of artificial intelligence, including machine learning and algorithmic systems.

A Ph.D. or ABD in Computer Science, Data Science or a related field is required.

Please apply on-line at Jobs.naz.edu/postings/2381.

Review of applications will begin on January 20, 2020, and will continue until the position is filled.

New Jersey Institute of Technology

Tenure-track Faculty Positions

The Computer Science Department at New Jersey Institute of Technology (NJIT) invites applications for tenure-track faculty positions starting in Fall 2020. Areas of special interest are:

- Data Science, Machine Learning, and Artificial Intelligence
- Programming Languages and Software Engineering

Exceptional candidates in other areas will also be considered. While we are interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will also be considered. Senior candidates in the area of Data Science, Machine Learning, and Artificial Intelligence will be expected to play a leadership role as the Associate Director of the new NJIT Institute for Data Science, whose Director is Distinguished Professor David Bader.

Applicants must have a Ph.D. degree by Summer 2020 in a relevant discipline, and outstanding academic credentials that demonstrate their ability to conduct independent world-class research and attract external funding. The successful candidate is also expected to show a commitment to both undergraduate and graduate education.

NJIT is ranked 97 nationally (by US News and World Report) and designated a Carnegie R1 Research University, with \$162M research expenditures in FY18. The Computer Science Department is ranked 80 nationally (by CSRankings) and has 33 tenured/tenure track faculty, with five NSF CAREER awards and one DARPA Young Investigator award. The department conducts research to solve real-world grand challenges in computer and data science such as FinTech, Health, and Cybersecurity and plays a key role in the NJIT Institute for Data Science and the NJIT Cybersecurity Research Center. The department has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects. The Computer Science Department enrolls approximately 1,800 students at all levels across nine programs of study and participates alongside NJIT's Informatics Department in the Ying Wu College of Computing (YWCC). The College comprises 26% of the NJIT enrollment, educating more than 3,000 students in computing disciplines, and graduating close to 800 computing professionals every year. As such, it is the largest generator of computing talent in the tri-state (NY, NJ, CT) area.

The Computer Science Department is housed in a state-of-the-art facility renovated in 2018. The department resides within the YWCC, which is undergoing significant growth as a priority area for NJIT. This growth is an integral part of NJIT's five-year strategic plan, which calls for consolidating NJIT

as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader academic computing community, with an emphasis on grant funding and publishing in top conferences and journals.

NJIT is located in Newark's University Heights, a vibrant sprawling downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. NJIT is just a 30-minute train ride from New York City and its burgeoning Silicon Alley tech sector. NJIT has recently expanded its graduate Data Science programs to Jersey City, just across the Hudson River from the financial district of Lower Manhattan in New York City, where it serves the many working professionals in that region. The faculty of YWCC are expected to teach at this site as needed.

To Apply

Applications received by December 31, 2019, will receive full consideration. However, applications are welcome until the position is filled.

Click one of the following link:

<https://njit.csod.com/ux/ats/careersite//requisition/1738/application?c=njit#1>

Create your application and upload your cover letter, CV, Research Statement, and Teaching

Statement on that site. The CV must include at least three names along with contact information for references.

The applications will be evaluated as they are received and accepted until the positions are filled. Contact: cs-faculty-search@njit.edu

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.

New Mexico State University

Assistant Professor - Tenure Track

The Computer Science Department at New Mexico State University invites applications for two tenure-track positions at the Assistant Professor level, with an appointment starting in the Fall 2019 semester. We are seeking strong candidates with research expertise that can effectively complement the research foci of the department. An earned Ph.D. degree in Computer Science or a closely related field is required at the time of appointment. Candidates with focus in artificial intelligence, cybersecurity, cyber-physical systems, and software engineering are encouraged to apply. However, exceptional candidates with strong background in other areas of Computer Science will also be considered. Applications from women, members of traditionally underrepresented groups, and

other individuals interested in contributing to the diversity and excellence of the academic community are strongly encouraged. Salary and start-up package will be competitive. The department also has multiple PostDoc positions. Interested candidates can contact Dr. Tran (stran@nmsu.edu) for further information.

A completed application will include a letter of interest, a statement of teaching and research philosophy, a curriculum vitae, copies of transcripts, and three professional references.

To obtain more information about the positions and to apply, visit URL

<http://jobs.nmsu.edu/postings/36646>

<http://jobs.nmsu.edu/postings/36650>

New Mexico State University is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer.

NYU Abu Dhabi

Computer Science Professor - Open Rank

The Division of Science at NYU Abu Dhabi is searching for accomplished faculty to conduct important research and teach the next generation of global leaders. You are invited to apply for an open-rank faculty position in Computer Science. Available openings are at the Assistant, Associate and Full Professor rank. As part of a major multi-year growth plan, the following broadly defined areas are of particular interest to us now: (1) artificial intelligence, with experience in machine learning research agendas applicable to

natural language processing, robotics and/or imaging; (2) data science, with interest in interactive data analytics, big data systems and distributed systems, and database systems; (3) cyber-security, with experience building and deploying large-scale security solutions in the real world that focus on systems security, network security, privacy, cryptography, and formal methods; and (4) bioinformatics and synthetic biology.

Faculty in the Computer Science Program, who have strong ties to NYU Courant Institute of Mathematical Sciences and its faculty, have access to state-of-the-art core facilities that include next-generation DNA sequencing, robotics, advanced microscopy, and high-performance computing facilities with more than 6,400 computing cores and a peak performance of 70 TFLOPS. To obtain further information about research and core facilities at NYU Abu Dhabi, click here.

About NYU Abu Dhabi

NYU Abu Dhabi is a pioneer of higher education in a global world, dedicated to excellence in teaching and research while advancing cooperation and progress on humanity's shared challenges. Part of the NYU global network, NYU Abu Dhabi offers an outstanding liberal arts and science education to students from the United Arab Emirates, United States, and around the world, focusing on intercultural understanding and leadership. It supports innovative research that pushes the frontiers of knowledge forward and responds in powerful and interdisciplinary

ways to vital global and local questions. NYU Abu Dhabi advances NYU as a model university for the 21st century and contributes in multiple ways to the development of a sustainable, knowledge-based economy in Abu Dhabi.

As an international center of excellence in teaching and research, our goal is to attract outstanding faculty who are leaders in their fields, encouraging them to create programs that draw outstanding students and providing an intellectually rich environment. Students are drawn from around the globe, surpassing all traditional academic benchmarks. The NYU Abu Dhabi undergraduate student body has garnered an impressive record of scholarships, graduate-school appointments, and many other honors.

Working for NYUAD

A world-class institution deserves world-class benefits. At NYUAD, we recognize that Abu Dhabi is more than where you work, it's your home and in order for you to research, teach, and thrive, we're offering a comprehensive benefits package to our top talent. Start with generous relocation allowances to ensure a smooth transition to Abu Dhabi, followed by competitive salaries, housing and transportation allowances, and educational assistance for your dependents. Health and wellness services round out our offerings, plus more. Click here for more information on benefits for you and your dependents.

Qualifications

This position requires a Ph.D. in Computer Science. We seek individuals who have or have the potential to develop, a strong record of scholarship and have the ability to develop and lead high-quality research.

Application Instructions

To apply for this position, please submit the following items, to: <http://apply.interfolio.com/68239>. CV. Cover Letter. Teaching Statement. Research Statement. Recent teaching evaluations (if available). Up to three (3) Representative Publications. Names and contact information for three (3) references. (Only referees of shortlisted candidates will be contacted.)

Applications close December 1, 2019. Shortlisted candidates are expected to be invited for campus visits in Abu Dhabi and New York early Spring 2020. We anticipate that successful candidates can start the appointment and relocate to Abu Dhabi in the academic year 2020-2021.

For questions about this position, please email nyuad.science@nyu.edu. If this sounds like you, apply now. Join NYU Abu Dhabi, an exceptional place for exceptional people. UAE Nationals are encouraged to apply.

NYU Abu Dhabi

Computer Science - Lecturer

The Division of Science at NYU Abu Dhabi is searching for a rising scholar to

conduct important research and teach the next generation of global leaders.

You are invited to apply for a faculty position in Computer Science as a lecturer, non-tenure track, with the rank open, depending on experience. Candidates are expected to be inspirational teachers and mentors to undergraduate students, which is a hallmark of the University's mission. The successful candidate will instruct introductory undergraduate courses. A demonstrable ability to think creatively about teaching and to work as an effective member of a teaching team are required. Opportunities for professional development are available.

Faculty in the Computer Science Program, who have strong ties to NYU Courant Institute of Mathematical Sciences and its faculty, have access to state-of-the-art core facilities that include next-generation DNA sequencing, robotics, advanced microscopy and high-performance computing facilities with more than 6,400 computing cores and a peak performance of 70 TFLOPS. To obtain further information about research and core facilities at NYU Abu Dhabi, click here.

About NYU Abu Dhabi

NYU Abu Dhabi is a pioneer of higher education in a global world, dedicated to excellence in teaching and research while advancing cooperation and progress on humanity's shared challenges. Part of the NYU global network, NYU Abu Dhabi offers an outstanding liberal arts and science

education to students from the United Arab Emirates, United States, and around the world, focusing on intercultural understanding and leadership. It supports innovative research that pushes the frontiers of knowledge forward and responds in powerful and interdisciplinary ways to vital global and local questions. NYU Abu Dhabi advances NYU as a model university for the 21st century and contributes in multiple ways to the development of a sustainable, knowledge-based economy in Abu Dhabi.

As an international center of excellence in teaching and research, our goal is to attract outstanding faculty who are leaders in their fields, encouraging them to create programs that draw outstanding students and providing an intellectually rich environment. Students are drawn from around the globe, surpassing all traditional academic benchmarks. The NYU Abu Dhabi undergraduate student body has garnered an impressive record of scholarships, graduate-school appointments, and many other honors.

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A world-class institution deserves world-class benefits. At NYUAD, we recognize that Abu Dhabi is more than where you work, it's your home and in order for you to research, teach, and thrive, we're offering a comprehensive benefits package to our top talent. Start with generous relocation allowances to ensure a smooth transition to Abu Dhabi, followed by competitive salaries,

housing and transportation allowances, and educational assistance for your dependents. Health and wellness services round out our offerings, plus more. Click here for more information on benefits for you and your dependents.

Qualifications

This position requires a Ph.D. in Computer Science.

We seek individuals who have, or have the potential to develop, a strong record of scholarship and have the ability to develop and lead high-quality research.

Application Instructions

To apply for this position, please submit the following items, to: <http://apply.interfolio.com/68241>

- CV
- Cover Letter
- Teaching Statement
- Recent teaching evaluations (if available)
- Names and contact information for three (3) references. (Only referees of shortlisted candidates will be contacted.)

Applications close December 1, 2019. Shortlisted candidates are expected to be invited for campus visits in Abu Dhabi and New York early Spring 2020. We anticipate that successful candidates can start the appointment and relocate to Abu Dhabi in the academic year 2020-2021.

For questions about this position, please email nyuad.science@nyu.edu.

If this sounds like you, apply now.

Join NYU Abu Dhabi, an exceptional place for exceptional people.

UAE Nationals are encouraged to apply.

NYU Abu Dhabi

Computer Science – Visiting Professor

You are invited to apply for a visiting professor position in Computer Science. Applicants with teaching experience in all areas of computer science are welcome to apply. However, specific teaching areas of interest include (1) introduction to computer science and programming in Python; (2) discrete mathematics; (3) data structures; and (4) algorithms. Candidates are expected to be excellent teachers of undergraduate courses. The expected teaching load is two courses per semester (four courses per academic year). The classes are relatively small and typically have at most 24 students.

Faculty in the Computer Science Program, who have strong ties to NYU Courant Institute of Mathematical Sciences and its faculty, have access to state-of-the-art core facilities that include next-generation DNA sequencing, robotics, advanced microscopy and high-performance computing facilities with more than 6,400 computing cores and a peak performance of 70 TFLOPS. To obtain further information about research and core facilities at NYU Abu Dhabi, click here.

About NYU Abu Dhabi

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As an international center of excellence in teaching and research, our goal is to attract outstanding faculty who are leaders in their fields, encouraging them to create programs that draw outstanding students and providing an intellectually rich environment. Students are drawn from around the globe, surpassing all traditional academic benchmarks. The NYU Abu Dhabi undergraduate student body has garnered an impressive record of scholarships, graduate-school appointments, and many other honors.

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where you work, it's your home and in order for you to research, teach, and thrive, we're offering a comprehensive benefits package to our top talent. Start with generous relocation allowances to ensure a smooth transition to Abu Dhabi, followed by competitive salaries, housing and transportation allowances, and educational assistance for your dependents. Health and wellness services round out our offerings, plus more. Click here for more information on benefits for you and your dependents.

Qualifications

This position requires a Ph.D. in Computer Science.

We seek individuals who have, or have the potential to develop, a strong record of scholarship and have the ability to develop and lead high-quality research.

Application Instructions

To apply for this position, please submit the following items, to: <http://apply.interfolio.com/69248>

- CV
- Cover Letter
- Teaching Statement
- Research Statement
- Recent teaching evaluations (if available)
- Names and contact information for three (3) references. (Only referees of shortlisted candidates will be contacted.)

Applications close December 1, 2019. Shortlisted candidates are expected to be invited for campus visits in Abu Dhabi and

New York early Spring 2020. We anticipate that successful candidates can start the appointment and relocate to Abu Dhabi in the academic year 2020-2021.

For questions about this position, please email nyuad.science@nyu.edu.

If this sounds like you, apply now.

Join NYU Abu Dhabi, an exceptional place for exceptional people.

UAE Nationals are encouraged to apply.

New York University Courant Institute

NYU Courant Computer Science Faculty Fellows

The NYU Courant Institute Department of Computer Science is recruiting a limited number of Assistant Professor / Faculty Fellow (non-tenure-track) positions in Computer Science. All areas of Computer Science are considered. The department has strength in theoretical computer science and cryptography; distributed computing and networking; machine learning and data science; computer vision and graphics; scientific computing and optimization; and verification and programming languages. The department has extensive collaborations with other NYU schools, centers and departments as well as industrial research labs in New York, including Facebook, Google, IBM Watson Research Center, etc. The appointments are for two or three years, and carry a teaching load of one course per semester. Applications are

due February 1, 2020, for appointments to begin September 1, 2020. The Search Committee will begin reviewing applications and nominations immediately.

Applicants must have (or expect to have by September 30, 2020) a PhD in Computer Science, or related field (e.g. Mathematics, Statistics, or Engineering). Applicants must submit their CV, research statement, teaching statement, and arrange for at least three (3) reference letters to be submitted directly (follow instructions within the application). Please submit your application via Interfolio: <https://apply.interfolio.com/69264>

EOE/AA/Minorities/Females/Veterans/
Disabled/Sexual Orientation/Gender Identity

NYU Steinhardt

*Music Audio Research Lab,
Department of Music and Performing Arts
Professions and NYU Tandon Integrated
Digital Media Program, Department of
Technology, Culture, and Society*

*Assistant Professor, Human-
Computer Interaction, Design, and Music,
Tenure-Track*

The New York University Steinhardt School of Culture, Education, and Human Development's Music and Audio Research Laboratory (MARL) and Tandon School of Engineering Program in Integrated Digital Media (IDM) invite applications for a tenure-track assistant professor to begin in September 2020. This is a joint position between the two schools, with the academic home in the NYU Steinhardt

Department of Music and Performing Arts Professions and the research home in MARL. We seek applicants that, through their scholarly activities, can contribute to methods and foundational knowledge in user experience/human-computer interaction (HCI) and design, with a strong focus on music and sound interactions for performance, learning, and entertainment.

NYU Steinhardt values equity, diversity, and inclusion and especially encourages candidates from historically underrepresented groups to apply.

Necessary Qualifications: A doctoral degree and an active agenda of research, funding, and publication, as well as a demonstrated commitment to excellence in scholarship and teaching are required.

Click [Here](#) to Apply

For more information, please visit the websites of NYU Steinhardt [Music and Audio Research Laboratory](#) and Department of [Music and Performing Arts Professions](#) and NYU Tandon [Integrated Digital Media](#) program and Department of [Technology, Culture, and Society](#).

New York University

*Department of Computer Science
and Engineering*

*Open Rank Faculty Position in Medical
Image Analysis and Computer Vision*

The Department of Computer Science and Engineering at the NYU Tandon School

of Engineering invites applications for a tenured or tenure-track faculty position, to start September 2020.

New York University (NYU) is one of the top private universities in the United States. NYU Tandon has an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We take pride in our high numbers of women students and students who are the first in their family to go to college. We seek faculty who have a real passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

NYU Tandon fosters innovation and entrepreneurship that make a difference in the world. The CSE department is at the center of a high-tech start-up culture where student and faculty innovation and entrepreneurship activities are supported and nurtured both in New York City, Brooklyn and across the NYU Global Network University. We lead and have ties to multidisciplinary centers in visualization, imaging and data analysis (VIDA), cybersecurity (CCS), the media and games network (MAGNET), 5G wireless technology, the center for urban science and progress (CUSP), the Governance Lab, and AINOW dedicated to understanding the social implications of artificial intelligence. With NYU's unrivaled global

network of campuses, we promote a truly global engineering education.

The focus of the search is in **Medical Image Analysis and Computer Vision**.

We seek candidates with excellent qualifications in mathematical, algorithmic and statistical concepts foundational to image analysis, including core areas of AI such as computer vision and machine-learning, and proven record in interdisciplinary collaborative research primarily related to medical or biomedical research. Our program offers unparalleled opportunities for research across boundaries through close interdisciplinary collaborations with NYU's top-ranked medical school with centers and research programs in optical and radiological imaging, neuroscience, systems genetics, and major medical research departments including Radiology, Ophthalmology, Orthopaedic Surgery, Psychiatry, Rehabilitation Medicine, and Global Public Health. You will also have opportunities to initiate interdisciplinary collaborations with Tandon's Biomedical Engineering Department, the Center for Biomedical Imaging (CBI) of the Department of Radiology, and the Computer Science Department of the Courant Institute.

You should have a Ph.D. degree in computer science or a closely related discipline. We seek individuals with evidence of excellent scholarship who have the potential or demonstrated ability to develop and lead a strong research program. For senior applicants, a distinguished record of scholarship, leadership, interdisciplinary research with

medical partners, curricular innovation and an excellent research funding record are desired. You should demonstrate or show potential for excellence in teaching and mentoring.

You should submit a cover letter, current CV, names of three references and their contact information, research and teaching statements, and recent teaching evaluations (if applicable). We will review applications beginning in early January 2020 and will continue until we fill the position. We encourage applicants to submit early.

Please submit all application materials electronically at

<http://apply.interfolio.com/70614>

We will review applications beginning in early January and will continue until we fill the position. We encourage you to submit early.

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

North Carolina State University

Professor, Data-Driven Science

Chancellor's Faculty Excellence Program

The Chancellor's Faculty Excellence Program (CFEP) faculty cluster in Data-Driven Science at NC State University is seeking an outstanding candidate and invites all scholars conducting high-impact research and education in large-scale data-enabled science to apply. CFEP is a cluster hiring initiative designed to bring some of the best and brightest minds to join NC State's interdisciplinary efforts, and to solve some of the world's most significant problems. We invite you to learn more about the CFEP and this cluster at <https://facultyclusters.ncsu.edu>.

Although our goal is to hire at the tenured Associate or Full Professor level, the position is open rank and all exceptional candidates will be considered. Because this hire will be part of an interdisciplinary cluster-hiring program, it is expected that the successful candidate will help form a robust collaborative research, training, and education core that attracts existing faculty with strong skills in complementary areas. Faculty in the Data-Driven Science cluster have a strong methodological, modeling, computing, and/or analytic focus combined with a diverse set of interdisciplinary application areas. The candidate will be expected to assume a leadership role in the NC State Data Science Initiative, which focuses on the development of cross-college research, education, and infrastructure initiatives.

The anticipated home department is Computer Science, Mathematics, or Statistics, with potential for joint appointments between these departments or in other departments. The candidate should have an earned doctorate in Computer Science, Mathematics, Statistics, Electrical Engineering, Data Science, or other related field and at least three years of experience conducting high-impact research in a university, private sector, government or non-profit organization.

Review of applications will begin December 15 and continue until the position is filled.

To apply, please visit: <http://jobs.ncsu.edu/postings/125513> or visit jobs.ncsu.edu and search for position number 00102682.

Questions, confidential inquiries, and nominations may be directed to Dr. Alyson Wilson, Professor, Department of Statistics agwilso2@ncsu.edu, 919-515-1901.

NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148.

North Carolina State University

Faculty Position - Artificial Intelligence and Machine Learning

Seeking to extend its leadership role in AI and ML, the Department of Computer Science at North Carolina State University (NC State) seeks to fill the Goodnight Distinguished Professor of AI/ML position, a named, endowed, full professor appointment in Artificial Intelligence and Machine Learning. Candidates with exceptional expertise in artificial intelligence, machine learning, and directly related research fields, in particular, AI in Software Engineering, AI in Learning Technologies, and AI in Cybersecurity are sought. The successful candidate will provide leadership in the recruitment of future faculty in the areas of AI and ML. The position is supported by Dr. Jim Goodnight, founder of SAS Institute Inc., located in Cary, North Carolina

A successful candidate is expected to have a world-class reputation in the areas of AI and ML, as well as a commensurate record in research, funding, graduate supervision, and service to the areas of AI and ML.

The Department, part of NC State's College of Engineering, is one of the largest and oldest in the country. Research expenditures, national ranking, and recognition have been growing steadily. For example, we have one of the largest concentrations of prestigious NSF Early Career Award winners (30 of our current or former faculty are recipients.) Members

of the Department have also been recognized as AAAI Fellows, ACM Fellows, and IEEE Fellows.

In the area of AI and ML, the Department has numerous faculty, both within the AI group proper, and collaborating on AI and ML-related projects. Examples include knowledge representation, machine learning, text analytics, and sentiment analytics within the AI group, and related work within the Learning Technologies, Software Engineering, Security, Systems, and Theory groups. We also have strong collaborations with technology companies in the local area, including SAS Institute Inc., LexisNexis, Fidelity, Deutsche Bank Global Technology, Red Hat, and IBM, among others.

NC State is located in Raleigh, the capital of North Carolina. Raleigh forms one corner of the world-famous Research Triangle, which includes Research Triangle Park (RTP). RTP is a hub of innovation, both as a metropolitan area with a world-class industrial base, and as a center of excellence in the technology and academic arenas. The University of North Carolina at Chapel Hill and Duke University form the second and third corners of the Triangle. Raleigh and its surrounding areas are routinely recognized as one of the best places to live in the United States. We enjoy outstanding public education, affordable cost of living, and a wide variety of entertainment opportunities, all within proximity to the mountains and the coast.

Applications will be reviewed as they are received, with a first review deadline of January 1, 2020, a second review deadline of February 28, 2020, and continued on-going review past that date. The position will remain open until suitable candidates are identified. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number - 00106096): cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised here at <http://www.csc.ncsu.edu/>. Inquiries may be sent via email to group-csc-ai-ml-search@ncsu.edu.

NC State University is an equal opportunity and affirmative action employer. We are widely recognized as a highly diverse department, having the most female tenured and tenure-track faculty of any computer science department in the country. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran.

Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148.

Final candidates are subject to criminal and sex offender background checks. Some vacancies also require credit or motor vehicle checks. If their highest degree is from an institution outside of the United States, final candidates are required to have their degree verified at www.wes.org. A Ph.D. degree must be obtained prior to the start date.

NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

North Dakota State University

Faculty- Cybersecurity Innovation and Policy

North Dakota State University's Department of Computer Science seeks to fill a tenure-track faculty position in cybersecurity innovation and policy, to begin in the Fall of 2020. Rank is open, but assistant or associate professor is preferred. We are a National Security Agency / Department of Homeland Security Center of Academic Excellence in Cyber Defense Research. NDSU offers Ph.D. programs in Computer Science and Software Engineering with options in cybersecurity. B.S., M.S. and Ph.D. programs in cybersecurity will be offered in the very near future. The successful candidate will have a key role in shaping these emerging programs.

The successful candidate will teach 2 courses related to cybersecurity policy

in her/his first year and three courses in subsequent years. It is expected that the successful candidate will help to create a new curriculum focus in this area with these courses. Research and teaching excellence are expected. A competitive salary and startup package are offered. Additional funds for summer salary and graduate student support may be available.

Visit <http://jobs.ndsu.edu/postings/10979> to view the full position posting and to apply!

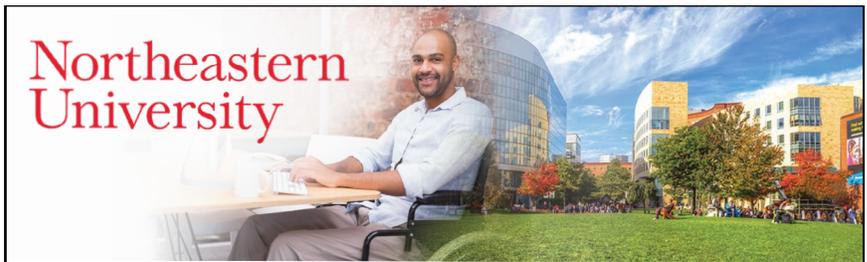
NDSU is an EEO/AA-MF/ Vet/ Disability.

Northeastern Illinois University

Assistant Professor

The Computer Science Department of Northeastern Illinois University in Chicago invites individuals to apply for a tenure-track, assistant professor, starting August 2020. A Ph.D. in Computer Science or closely related field is required. We will consider applicants from all areas of computer science, especially: Computer Gaming, Software Engineering, and Cyber Security. Review of applications will begin on January 20, 2020, and will continue until the position is filled. AA/EOE. See <https://www.neiu.edu/assistant-professor-position-department-of-computer-science>.

Northeastern Illinois University is an Equal Opportunity/Affirmative Action employer and invites applications from Women, Minorities, Veterans and Persons with Disabilities, as well as other qualified individuals.



Northeastern University

Assistant/Associate/Full Teaching Professor Data Science

About Northeastern:

Founded in 1898, Northeastern is a global research university and a world leader in experiential learning. The same commitment to connecting with the world drives our use-inspired research enterprise. The university offers a comprehensive range of undergraduate and graduate programs leading to degrees through the doctorate in nine colleges and schools. Our campuses in Charlotte, N.C., San Francisco, Seattle, and Toronto are regional platforms for undergraduate and graduate learning and collaborative research. Northeastern pursues advanced research in security and materials at the Innovation Campus in Burlington, Massachusetts, and in coastal sustainability at the Marine Science Center in Nahant, Massachusetts.

About the Opportunity:

The Department of Electrical and Computer Engineering at Northeastern University invites applications for Assistant/Associate/Full Teaching Professor with a focus on Data Science

Responsibilities:

Northeastern University's Department of Electrical & Computer Engineering seeks outstanding candidates for the position of Assistant/associate/full teaching professor with a focus on Data Science. This is a full-time, benefits-eligible, non-tenure-track position. Appointments are made on an annual 8-month basis, with salary commensurate with experience. The position of Assistant Teaching professor entails educational interaction with students in roles including, but not limited to, traditional instruction (lecture courses, lab courses), curriculum development, and student advising. The main responsibility of this position is teaching classes that make up the master's program in Data Science, such as classes on algorithm design, data processing, machine learning, data mining and data visualization. The annual teaching course load is six courses, with the potential for teaching more than one section of a course in the same semester, over Fall and Spring semesters. Courses may be at both the undergraduate and graduate levels.

Qualifications:

A PhD in Computer Engineering, Electrical Engineering, Computer Science, or Data Science, with teaching experience, is required. Candidates should have experience with a range of Data Science subareas, which may include algorithm design, data processing, machine learning, data mining and data visualization. At least 2 years' experience in teaching at the college/university level is recommended. Excellent written and oral communication skills are required.

Application should include a cover letter, CV, teaching statement, 3 references. A sample syllabus from a previously taught class is optional but recommended.

Salary Grade: FAC

Additional Information:

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University's commitment and support of diversity and inclusion, please see www.northeastern.edu/diversity.

To apply, visit <https://apptrkr.com/1744171>

Northeastern University

Lecturer/Assistant/Associate/Full Teaching Professor-Boston

Founded in 1898, Northeastern is a global research university and a world

leader in experiential learning. The same commitment to connecting with the world drives our use-inspired research enterprise. The university offers a comprehensive range of undergraduate and graduate programs leading to

degrees through the doctorate in nine colleges and schools. Our campuses in Charlotte, N.C., San Francisco, Seattle, and Toronto are regional platforms for undergraduate and graduate learning and collaborative research. Northeastern pursues advanced research in security and materials at the Innovation Campus in Burlington, Massachusetts, and in coastal sustainability at the Marine Science Center in Nahant, Massachusetts.

The Khoury College of Computer Sciences at Northeastern University invites applications for one or more positions at the rank of Lecturer/Assistant Teaching Professor/Associate Teaching Professor/Full Teaching Professor beginning September 2020 at our campus in Boston. In Boston we offer undergraduate, masters, and PhD programs. We are seeking highly-motivated individuals committed to excellence in teaching. Full-time appointments at all ranks are renewable, career-focused non-tenure-track positions with responsibilities in teaching and service. Primary responsibilities include teaching undergraduate and graduate courses.

We are seeking faculty who can teach in one or more of the following areas: Computer Science, Data Science, Cybersecurity and Health Informatics. The successful candidate will create course content and materials and collaborate with colleagues to develop new academic relationships within the university and the business community. Student advising and service to the college and university

are an integral component of the position. Opportunities for research and scholarship are possible on the teaching track (with a reduced course load) and several of our teaching track faculty are highly research active.

Khoury College has grown rapidly over the last five years in response to increased student demand at the BS, MS, and PhD level and will continue this rapid growth for the next few years. We invite you to join a fast-moving, ambitious college with an underlying mission that is embodied by our motto of “CS for Everyone.” Khoury College is committed to diversity and inclusion in computer science. We aim to establish a computing population—students, faculty, researchers, and staff—that reflects today’s global society.

Northeastern University is home to 35,000 full/part-time graduate and undergraduate students and to the nation’s premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern’s international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and education is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation’s top research universities.

Candidates must hold a PhD in Computer Science or related degree from an accredited institution by the start date. Teaching experience at the undergraduate and graduate levels is strongly preferred. Rank of appointment

at either the Lecturer, Assistant Teaching Professor, Associate Teaching Professor, or Full Teaching Professor level will be determined on prior teaching experience and will be discussed with candidates during the interview process.

Successful candidates will have demonstrated an expert grasp of knowledge of the field at all levels and be creative in their approach to teaching in an environment of cooperative, interdisciplinary and experiential education. Strong written, oral and interpersonal skills are required in order to communicate effectively with students in person and online.

Please submit a cover letter of interest highlighting teaching accomplishments and relevant professional experience, a curriculum vitae, and the names and contact information of at least three references.

Compensation is commensurate with qualifications and includes an outstanding benefits package.

To apply for this position please click here: <https://careers.hrm.northeastern.edu/en-us/job/501834/lecturerassistantassociatefull-teaching-professorboston>

For more information about the College, please visit <http://khoury.northeastern.edu/>. Northeastern University is located on the Avenue of the Arts in Boston’s historic Back Bay. The College occupies a state of the art building opposite Boston’s Museum of Fine Arts.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University's commitment and support of diversity and inclusion, please see www.northeastern.edu/diversity.

Northeastern University

Assistant/Associate/Full Professor

The Khoury College of Computer Sciences invites applications for several tenure-track and tenured faculty positions, beginning in Fall 2020. Applicants at all ranks will be considered. Candidates will be considered from all areas in Computer Science. Candidates are expected to have or to develop an independently funded research program of international caliber and to participate in undergraduate and graduate teaching.

Khoury College has a diverse tenure/tenure-track faculty of 65, and offers a broad array of research and educational opportunities to students. Since 2012,

the college has hired 46 outstanding faculty members, and plans to continue this strategic growth in the coming years. Faculty research spans all areas of computing and is interdisciplinary across seven of Northeastern's colleges; 18 of the 65 faculty have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Nursing, Communication Sciences and Disorders, Physics, Political Science, Psychology, Philosophy and Religion, Business, Mathematics, and Law. Khoury faculty members are integral to Northeastern University's multidisciplinary institutes including the Network Science Institute and the Cybersecurity and Privacy Institute.

The college offers 3 undergraduate degrees (CS, Data Science and Cybersecurity); 7 MS degrees (CS, Health Informatics, Data Science, Cybersecurity, Game Science and Design, Artificial Intelligence, and Robotics) and 4 PhD degrees (CS, Network Science, Personalized Health Informatics, and Cybersecurity). Several of these are interdisciplinary degrees with other Colleges at Northeastern.

Khoury College is committed to broadening participation in CS to increase diversity of thought and demographics. For undergraduates Khoury offers 36+ combined majors (CS+X) and has recently launched the Center for Inclusive Computing, which has the mission to broaden participation in undergraduate computing programs nationally. At the graduate level Khoury is now scaling

its successful Align MS in CS program for people who did not study CS as an undergraduate. This includes building a consortium of universities in the U.S. to offer similar programs.

Khoury College has grown rapidly over the last five years in response to increased student demand at the BS, MS and PhD level and projects a continuation of this growth for the next few years. We invite you to join a fast-moving, ambitious college with an underlying mission that is best captured by the phrase "CS for Everyone."

Northeastern University is home to 27,000 full- and part-time students and to the nation's premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern's international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and scholarship is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation's top research universities. Khoury College has been a major participant in this initiative and will continue the efforts this year, with additional interdisciplinary searches ongoing in related areas. Northeastern University has seven campuses located in Boston (the primary home of our tenure/tenure-track faculty), Seattle, San Francisco, San Jose, Charlotte, London, Vancouver and Toronto – As of January 2020, Khoury will be offering the MS in CS and the Align MS in CS at 6 of the 7 campuses. For more information about the College, please visit <https://>

www.khoury.northeastern.edu. Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2019. However, applications will be accepted until the search is completed.

Additional information and instructions for submitting application materials may be found at the following web site: <https://www.northeastern.edu/hrm/careers/index.html>

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University's commitment and support of diversity and inclusion, please see www.northeastern.edu/diversity.

Northern Arizona University

Assistant/Associate/Full Professor in Cybersecurity Engineering and Electrical Engineering

We are hiring an open-rank faculty in the area of cybersecurity. More details on:

https://hr.peoplesoft.nau.edu/psp/ph92prta/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page=HRS_APP_JBPST&Action=U&FOCUS=Applicant&Siteid=2&JobOpeningId=604642&PostingSeq=1

Northwestern University

Data Science Scholars Program

Data Science Scholars will join a university-wide initiative advancing Data Science throughout Northwestern (<http://datascience.northwestern.edu>). Scholars will have joint-appointments with the Northwestern Institute on Complex Systems and Data Science (NICO) - which coordinates the program - and another Research Center matching their area of expertise. Scholars will be appointed to two-year terms (potentially renewable for a third year). Scholars will receive a competitive stipend and benefits package, and an individual research budget. Starting date is flexible.

We are looking to recruit 2 Scholars annually who will be appointed across a number of research areas spanning the physical, chemical, biomedical, behavioral, social, economic, information, and communication sciences. The aim of the program is to offer a unique opportunity to expand the Scholars' domain-focused research portfolio, and simultaneously establish their reputation as leaders in the exploding field of Data Science and Artificial Intelligence. To this end, Scholars will be offered opportunities

to establish their independence and to develop their leadership skills.

Outstanding candidates interested in this program should submit applications electronically to data-science-initiative@northwestern.edu. Applications from women and minority candidates are especially encouraged. Applications must include a CV (including a list of publications with the most important 1 to 3 publications indicated with an asterisk), a three-page statement of research accomplishments and plans, and a list of 3 to 5 references. Applications received by January 1st, 2020 will receive full consideration. Later applications will be considered until all positions are filled.

Applicants must complete their Ph.D. requirements prior to starting date of appointment.

Information about benefits may be found at <http://www.northwestern.edu/hr/benefits/index.html>.

Northwestern University

Computer Science Faculty of Instruction

Northwestern University is pursuing an ambitious commitment to grow and transform Computer Science (CS) [<http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html>]. As part of transforming and scaling computer science education, we seek outstanding candidates for non-tenure track teaching faculty in all areas and at all levels, with a clear passion to make a difference in

Computer Science and who are excited by the opportunity to help build the future of CS at a great university.

We invite candidates to apply for a non-tenure-track chair, the McCormick Advisory Council Professor of Instruction in Computer Science. The successful applicant will be an extraordinary teacher and mentor, combining strong and deep knowledge of Computer Science with a passion to convey that knowledge to a broad variety of Northwestern students. They will go well beyond delivering entry-level service courses to create a learning environment that motivates students to enroll, to work, to learn, and to find new applications of Computer Science that shape their careers and the world beyond. This is a multi-year, renewable position.

Applicants should have earned a Ph.D. in Computer Science or a closely related field. Candidates will be considered at the Assistant or Associate level depending on experience. Faculty of Instruction typically teach two courses per term and are involved in advising students and in departmental curriculum development.

Applicants should submit:

1. a cover letter,
2. a curriculum vitae,
3. three to five letters of reference which can speak to the applicant's teaching abilities,
4. statement of teaching philosophy,
5. recent teaching evaluations (if available),

6. a teaching demonstration video (if available). Upload instructions are found at <https://www.mccormick.northwestern.edu/computer-science/resources/careers-computer-science.html>

For general questions about the search or application assistance post submission, contact apply-facsearch@cs.northwestern.edu. Review of materials will begin on December 1, 2019, and applicants are strongly encouraged to submit their materials before that date. Applications received after that date will be considered on a rolling basis.

Apply Here: <https://facultyrecruiting.northwestern.edu/apply/NzE5>

Oakland University

Special Instructor of Computer Science and Information Technology

The Department of Computer Science and Engineering invites applications for one special instructor position to begin August 15, 2020. We are primarily seeking a candidate who will be teaching undergraduate courses in Computer Science and Information Technology. The position also requires engagement in outreach programs and institutional and public service. Candidates must have excellent communication skills, ability to teach introductory computer science and information technology courses including programming courses, willingness to learn new teaching techniques and technologies. College teaching experience in computer science or information technology is preferred. Candidates should

have an appreciation of and commitment to the value of diversity and working with a diverse faculty and student body.

Oakland University is a public institute located in southeastern Michigan with over 20,000 students. The department is currently offering BS in Computer Science, BS in Information Technology, MS in Computer Science, MS in Cyber Security, MS in Software Engineering and Information Technology, and Ph.D. in Computer Science and Informatics. For information about the department and Oakland University, please visit the respective homepages.

Applicants must have completed a PhD in Computer Science, Information Technology or closely related fields by the beginning date of employment.

Review of applications will begin on January 21, 2020 and continue until this position is filled. Expected start date is August 15, 2020. Applicants should submit a letter of intent, a statement of teaching, curriculum vitae, a statement of diversity, and three references. The diversity statement will describe their interest or efforts in furthering diversity and inclusion e.g. through mentoring, pedagogy, activism, faculty recruitment/retention or research on issues related to diversity and social inequality. The teaching statement should include a list of undergraduate and graduate courses that the applicant will be willing to teach as well as outlines of two courses that the applicant would like to introduce. The candidate should upload their



Assistant Professor of Engineering Electrical and Computer Engineering

The Department of Electrical and Computer Engineering (ECE) at Oakland University (OU) invites applicants for a tenure-track faculty position at the rank of Assistant Professor in Electrical and Computer Engineering starting in August 2020. We encourage applicants from various areas of electrical and/or computer engineering to apply. Teaching, research, or hands-on experience in intelligent controls and mechatronics, autonomous systems, and/or electric transportation and drives is a plus.

Applicants must have an earned Ph.D. degree in Electrical and Computer Engineering or related fields. ABD will be considered. Research and teaching with commitment to excellence is required. The successful candidate will be expected to teach and develop undergraduate and graduate courses and laboratories, initiate and integrate strong research programs, direct graduate students, and attract external research funding. Candidates must demonstrate experience with or a commitment to diversity and inclusion.

Oakland University is a nationally recognized doctoral university of high research activity located on 1,443 acres of scenic land in the cities of Rochester Hills and Auburn Hills in Oakland County, Michigan. The University has 142 bachelor's degree programs and 138 graduate degree and certificate programs. Academics include programs in the College of Arts and Sciences, School of Business Administration, School of Education and Human Services, School of Engineering and Computer Science, School of Health Sciences, School of Medicine and School of Nursing.

OU is at the intellectual center of the Automotive Industry, adjacent to the Oakland Technology Park, and within the Oakland County Automation Alley.

OU offers an exemplary fringe benefit package. The ECE Department has 20 faculty members and offers BSE, MS, and Ph.D. programs with research and teaching.

Interested applicants should submit a cover letter with a detailed curriculum vita, a teaching statement, a research statement and unofficial transcripts at <https://apptrkr.com/1688693>.

Candidates will provide a Diversity Statement that describes their interest or efforts in furthering diversity and inclusion, e.g. through mentoring pedagogy, activism, faculty recruitment/retention, or research on issues related to diversity and social inequality. Contact information for references will be requested in the Professional References section of the application and a link provided through which references can submit letters.

If you have any questions, please contact Professor Darrin Hanna at dmhanna@oakland.edu. For full consideration applications should be submitted by January 31, 2020. Review will continue until the position is filled.

Oakland University is an Equal Opportunity Employer and encourages applications from women and minorities.

application at <http://jobs.oakland.edu/postings/17857>.

Oakland University is a public institute located in southeastern Michigan with over 20,000 students. The department is currently offering BS in Computer Science, BS in Information Technology, MS in Computer Science, MS in Cyber Security, MS in Software Engineering and Information Technology, and Ph.D. in Computer Science and Informatics. For information about the department and Oakland University, please visit the respective homepages.

Oakland University is a nationally recognized doctoral university of high research activity located on 1,443 acres of scenic land in the cities of Rochester Hills and Auburn Hills in Oakland County, Michigan. The University has 142 bachelor's degree programs and 138 graduate degree and certificate programs. Academics include programs in the College of Arts and Sciences, School of Business Administration, School of Education and Human Services, School of Engineering and Computer Science, School of Health Sciences, School of Medicine and School of Nursing.

Creating and maintaining a diverse, equitable and inclusive campus is a strategic priority for Oakland University. To this end, we are seeking applications from individuals who are interested in and committed to supporting our Diversity, Equity, and Inclusion institutional values. It is the policy of Oakland University that there shall be

no discrimination on the basis of race, sex, color, religion, national origin or ancestry, age, height, weight, familial status, marital status, disability, creed, sexual orientation, veteran status or other prohibited factors in employment, admissions, educational programs or activities. Oakland University, as an equal opportunity/affirmative action institution, is committed to compliance with federal and state laws prohibiting discrimination, including Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973. Inquiries or complaints may be addressed to Oakland University, Director of the Office of Diversity, Equity and Inclusion, Oakland Center Suite 150, 312 Meadow Brook Dr., Rochester, Michigan 48309-4401

Occidental College

Music Audio/Music/Sound Engineering Postdoctoral Fellowship

Occidental College is searching for a full-time postdoctoral scholar-practitioner in audio/music/sound engineering with an ability to teach applied signal processing at the undergraduate level. This is a fixed-term appointment based in Los Angeles, California.

Read here for the full fellowship description: https://www.oxy.edu/sites/default/files/assets/HR/Faculty/music_mellon_postdoctoral_fellow_jd_final-9-26-19.pdf

Occidental College, Los Angeles, CA

Computer Science Postdoctoral Fellowship

Occidental College is searching for a full-time postdoctoral fellow in the area of Computational Media focusing on Virtual and Augmented Reality, Computer Graphics, Computational Geometry, or a related field. This is a fixed-term appointment based in Los Angeles, California.

Read here for the full fellowship description: [Mellon Search](#)

Oklahoma State University

Teaching Assistant Professor Position

The Oklahoma State University (OSU) Department of Computer Science is seeking applications for a Teaching Assistant Professor position to begin on August 2020. Teaching experience in any area of Computer Science is required. Successful candidates must have completed a Ph.D. in Computer Science or a closely-related field from an accredited institution by the time of appointment.

The position is for the main OSU campus in Stillwater; however, duties may be assigned in either the OSU-Stillwater campus, the OSU satellite campus in Tulsa, or both. The OSU Department of Computer Science (<http://www.cs.okstate.edu>) is strongly committed to excellence in research, teaching, and outreach. The department offers B.S., M.S., and Ph.D.

degrees in Computer Science and has a Graduate Certificate Program in Big Data Analytics. The department also offers courses to students at remote sites using interactive video and the Internet. There are currently about 276 undergraduate students and about 80 graduate students enrolled in the department.

This Teaching Assistant Professor position will be responsible for developing and teaching courses to support the new on-line Computer Science B.S. degree program.

Teaching Assistant Professors are encouraged to explore research and collaboration opportunities with other faculty, industry and research institutions. However, this is not a requirement.

To apply, please submit the following items via Interfolio (<https://apply.interfolio.com/70279>): cover letter; curriculum vitae; separate research, teaching, and diversity statements; and contact information for three professional references. Application review will begin January 15, 2020, with employment starting August 2020 or as negotiated. For full consideration, applications should be received by January 15, 2020; however, applications will be considered until the position has been filled. The filling of this position is contingent upon the availability of funding.

A successful faculty candidate should be willing to teach from a multicultural perspective and should demonstrate a commitment to mentoring underrepresented students. Recent departmental diversity statistics for under-

represented undergraduate students are 15% female, 4% African American, 4% Native American and 5% Hispanic.

Oklahoma State University, as an equal opportunity employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. Oklahoma State University is committed to a policy of equal opportunity for all individuals and does not discriminate based on race, religion, age, sex, color, national origin, marital status, sexual orientation, gender identity/expression, disability, or veteran status with regard to employment, educational programs and activities, and/or admissions. For more information, visit <https://eeo.okstate.edu>.

Old Dominion University

Tenure-Track Computer Science Faculty Positions in Data Science, Cybersecurity and Medical Image Computing

The Department of Computer Science at Old Dominion University is seeking multiple full-time tenure-track faculty members with expertise in any one of the following areas: data science, cybersecurity and medical image computing. Outstanding candidates in other areas of computer science will also be considered. The appointment is expected to be made at the Assistant Professor rank with an anticipated start date of July 2020. At the time of appointment, the candidate must have a Ph.D. or equivalent in computer science or related discipline.

Requirements are the potential for success in teaching, research, and obtaining external research grants. Consideration will also be given to candidates demonstrating a potential for collaboration with the current Computer Science faculty or for inter-disciplinary collaboration with other researchers at ODU.

The Department of Computer Science currently has 19 tenured and tenure-track faculty, 9 teaching faculty, and several adjunct faculty. The faculty has research grant support from agencies such as NSF, NIH, NASA, NEH, the Mellon Foundation, DoD, and DoE. ODU Computer Science ranks in the top 25% in terms of R&D expenditures among Computer Science departments.

Current research areas span a wide range, with established strengths in high-performance scientific computing, data science, bioinformatics, parallel mesh generation, real-time medical image computing, web science, mobile computing, cyber-physical systems, and large-scale video analytics (see <http://cs.odu.edu/> for more information). A vibrant graduate program enrolls 150 graduate students (50 Ph.D. and 100 M.S.) and the undergraduate program has more than 800 majors. Excellent collaborative research opportunities are available at ODU's Center for Cybersecurity Education & Research, and at nearby NASA Langley Research Center, DoE's Thomas Jefferson National Accelerator Facility, National Institute of Aerospace, Eastern Virginia Medical School and Sentara Hospital with state-of-the-art operating room suite for

image-guided surgery, and the Virginia Modeling Analysis and Simulation Center.

Located in Norfolk, Virginia, Old Dominion University (www.odu.edu) is a state-supported Carnegie Doctoral/Research Extensive institution with approximately 25,000 students and over 850 full-time faculty. Norfolk is a culturally-rich, historic city and a major international maritime center in Hampton Roads, a seven-city metropolitan area of over 1.5 million people.

ODU and the College of Sciences are committed to inclusive excellence, recognizing that diversity enhances and enriches our educational mission, employment experience, and community engagement. We seek candidates whose research, teaching, and/or service experiences have prepared them to fulfill our commitment to inclusion. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

Interested candidates should visit <https://jobs.odu.edu/> to submit a curriculum vitae, a statement of research activities and future research plans, a statement of teaching philosophy, unofficial graduate transcripts, and contact information for four references. For additional information regarding the positions, please contact to Dr. Nikos Chrisochoides, Computer Science Faculty Search Committee Chair. The review of applications will begin January 15, 2020, and continue until positions are filled.

It is the policy of Old Dominion University to provide equal employment, educational and social opportunities for all persons, without regard to race, color, religion, sex (including pregnancy), national origin, gender, age, veteran status, disability, political affiliation, sexual orientation or genetic information. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

Perimeter College, Georgia State University

Computer Science Open Rank Tenure Track Faculty

The Department of Computer Science invites applications for a tenure track open-rank faculty position in Computer Science. The successful candidate will teach undergraduate computer science courses, develop and review undergraduate curricula, and assist with program assessment activities. Tenure track positions are academic year (August-May) appointments.

Expectations also include maintaining office hours and service at the department, discipline, campus, and college-wide levels. Perimeter College encourages and supports innovation and professional growth, expecting the successful candidate to engage in professional development activities which demonstrate career goals that are consistent with the college's mission.

Required Education: A minimum of a Master's degree required in Computer Science or a minimum of a Master's degree

with at least 18 semester or 27 quarter graduate hours in relevant coursework (completed by the anticipated date of appointment) is required.

Preference will also be given to candidates who possess:

- Previous college-level teaching experience.
- Ph.D. in Computer Science or a related discipline.
- Demonstrated knowledge of Java computer-programming.

Expected start date: August 1, 2020.

First review: October 15, 2019 - open until filled.

For complete position details or to apply: <http://perimetercareers.gsu.edu/postings/3163>.

Georgia State University is an Equal Opportunity/Affirmative Action university and accommodates individuals with disabilities. All applicants must comply with the Immigration Reform and Control Act. Women and minorities are strongly encouraged to apply. Notice of employment will be conditional on background verification.

Princeton University

Associate Research Scholar in Theoretical Computer Science

The Department of Computer Science at Princeton University is seeking exceptional recent Ph.D. recipients for research positions in theoretical computer science and theoretical machine

learning. The successful candidates will earn generous salaries and carry out independent research under the mentorship of the Theoretical Computer Science faculty. A Ph.D. in Computer Science or a related field is required; applicants who have earned their Ph.D. after September 2017 are eligible to apply. Positions are for one year with the expectation of renewal for a second year, subject to satisfactory first-year performance. Appointment will start in the Fall 2020 semester and is contingent on the completion of a Ph.D. These appointments will be at the rank of Associate Research Scholar.

An abiding interest in the power of computation has been a regular feature of life at Princeton since the times of Turing, Church, Goedel and von Neumann (all Princeton residents). The Theoretical Computer Science group continues today to pursue research in many areas of theory, including complexity theory, algorithms, data structures, computational geometry, cryptography, machine learning and computational economics. We have close connections with faculty in other groups, including computational biology, graphics, networks and systems. Princeton is a wonderful place for TCS research.

Candidates must apply online at <https://www.princeton.edu/acad-positions/position/14281> and submit a CV, research statement, and contact information for three references. For full consideration, we recommend that candidates apply (including letters of recommendation)

by January 10, 2020, though we will continue to review applications past that date. These positions are subject to the University's background check policy.

Requisition No: D-20-COS-00006

Princeton University

Lecturer in all areas of Computer Science

The Department of Computer Science seeks applications from outstanding individuals who share our strong commitment to undergraduate education to join our teaching faculty for full and part-time Lecturer positions.

Computer Science is enjoying record popularity at Princeton, and opportunities abound to engage with our outstanding students at many levels. Our large undergraduate courses are the shared responsibility of a team of faculty and graduate assistants. A successful candidate for this position will participate in such a team at the outset. Job responsibilities can also include teaching upper-level courses, advising undergraduate research, curriculum development, state-of-the-art software technology development, data analytics, outreach to under-represented groups, and online content development.

Research and scholarship in CS education or in any area of CS is also encouraged. An advanced degree in computer science, or related field, is required.

Please apply at this link: <https://www.princeton.edu/acad-positions/position/13941>

Applications must include a cover letter, curriculum vitae, teaching statement, material relevant to evaluating the applicant's teaching abilities and research accomplishments, and contact information for at least three references.

This position is subject to the University's background check policy. Further information about the Computer Science Department at Princeton can be found at: <https://cs.princeton.edu/>

Purdue University

Tenure-Track/Tenured Professors in Computer Science - Systems

The Department of Computer Science in the College of Science at Purdue University invites applications for two or more tenure-track or tenured positions in the broad area of systems. These appointments will be at the level of Assistant or Associate Professor. The positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science.

Qualifications: The Department is interested in candidates whose work focuses on database systems, cyber-physical systems, operating systems, networking and distributed systems. Highly qualified applicants in all areas of systems will be considered. Applicants should hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer

science, and participate in department and university activities.

The Department and College: The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu>.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

Application Procedure: Applications need to be submitted to [this site](#) and need to include (1) a complete curriculum vitae, (2) a statement of research and a statement of teaching, and (3) at least three names of reference. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover

letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

A background check will be required for employment in this position. Review of applications and interviews will begin in November 2019, and will continue until positions are filled. Inquiries can be sent to systems-search@cs.purdue.edu.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University

Assistant Professor of Human-Centered Design and Computing

The Department of Computer Graphics Technology at Purdue University (CGT) invites applications for one tenure-track faculty position at the Assistant Professor level in the area of human-centered design and computing. An earned doctorate in a field related to human-computer interaction, user experience design, or information science. Commitment to teaching, scholarly activity and the building of an active research program are required. A background check will be required.

The full advertisement, application requirements, and submission instructions can be found at: <https://career8.successfactors.com/sfcareerjobreqcareer?jobId=7417&company=purdueuniv&username>.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University

Assistant Professor, Computer and Information Technology

Purdue University's Department of Computer and Information Technology

invites applications for tenure track faculty position at the rank of assistant professor for the West Lafayette campus beginning in January 2020 in the area of data analytics and applications. The selected candidate will be expected to develop an active research program in these areas as well as to participate in both undergraduate and graduate course delivery and development in related topics as the department builds on its long-standing data-oriented concentration to create a new data analytics and applications major. Additionally, the hire will be expected to participate actively in Purdue's Integrative Data Science Initiative (IDSI) and engage across campus in related endeavors. All candidates must have an earned PhD Degree in data analytics or a related field by the start of employment; candidates completing their PhD degree before Fall 2019 are encouraged to apply. Responsibilities also include engagement with industry, the community, and colleagues within the computing discipline. Additional information about the department can be found at <http://www.polytechnic.purdue.edu/CIT/>. Application Instructions:

Applications should include a cover letter, complete resume with the names and addresses of three references, and both teaching and research statements. Optionally, applicants may include copies of relevant publications. The application should be submitted to SuccessFactors.

Use the following link
<https://career8successfactors.com/sfcareer/jobreqcareer?jobId=7270&company=purdueuniv&username=>

Screening of applications will begin October 15, 2019 and will continue until the position is filled. A background check is required for employment in this position.

Purdue University's Department of Computer and Information Technology is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement.

Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities and/or future goals to promote a climate that values diversity and inclusion. Purdue University is an affirmative action, equal opportunity employer. Purdue views, evaluates, and treats all persons in all University related activities solely as individuals on the basis of their own personal abilities, qualifications, and other relevant characteristics. All qualified applicants for employment will receive consideration without regard to race, religion, color, sex, national origin or ancestry, genetic information, marital status, parental status, sexual orientation, gender identity and expression, disability or status as a veteran.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University

Assistant/Associate Professor of Practice Positions in Computer Science

The Department of Computer Science in the College of Science at Purdue University solicits applications for two Professor of Practice positions at the Assistant or Associate Professor level.

Qualifications: Applicants should hold a PhD in computer science or a related field, or a BS degree in computer science or a related discipline and commensurate experience in teaching or industry. Applicants should be committed to excellence in teaching, have the ability to teach a broad range of courses in the undergraduate curriculum, have an enthusiasm for teaching and interaction with students, have an interest in on-line development and delivery of courses, and have an interest in advising student team projects. The positions are non-tenure track faculty positions with multi-year contracts. Professors of Practice faculty are actively involved in departmental activities and have professional development opportunities.

The Department and College: The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer

Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu>.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

Application Procedure: Applications need to be submitted to [this site](#) and need to include (1) a complete curriculum vitae, (2) a teaching statement that includes the teaching philosophy, interests, and experience, and (3) at least three names of reference. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

A background check will be required for employment in this position. Review of applications and interviews will begin

in October 2019, and will continue until positions are filled. Inquiries can be sent to pop-search@cs.purdue.edu.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University

Tenure-Track/Tenured Professor Positions in Theoretical Computer Science

The Department of Computer Science in the College of Science at Purdue University invites applications for two or more tenure-track or tenured positions in theoretical computer science. These appointments will be at the level of Assistant or Associate Professor.

The positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science.

Qualifications: The Department is interested in candidates whose work in theoretical computer science focuses on the design and analysis of algorithms, quantum computing, randomness in computation, as well as computational science and engineering. Highly qualified applicants in other areas of theoretical computer science will be considered. Applicants should hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer

science, and participate in department and university activities.

The Department and College: The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu>.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

Application Procedure: Applications need to be submitted to [this site](#) and need to include (1) a complete curriculum vitae, (2) a statement of research and a statement of teaching, and (3) at least three names of reference. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address

at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

A background check will be required for employment in this position. Review of applications and interviews will begin in November 2019, and will continue until positions are filled. Inquiries can be sent to TA-search@cs.purdue.edu.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University

Assistant/Associate Professor Quantum Information Science - Math/Computer Science

The Departments of Mathematics and Computer Science in the College of Science at Purdue University invite applications for up to five positions in Quantum Information Science (QIS) to begin August 2020. These positions will be at the assistant/associate professor level based on scholarly record. When appropriate, successful candidates may be considered for joint and interdisciplinary appointments across the College.

QIS is at the frontier of several traditional research disciplines including applied math and computer science, information theory, condensed matter physics, atomic, molecular, and optical physics, and chemistry. QIS strives to harness the unusual quantum mechanical properties

of superposition and entanglement to provide breakthrough advances for computing, secure communications, and novel device functionalities. As such, QIS is part of a large-scale interdisciplinary hiring effort across key strategic areas in the College of Science—Purdue's second-largest college, comprising the physical, computing, and life sciences—these positions come at a time when the College is under new leadership and with multiple commitments of significant investment.

The College of Science is especially seeking to enhance our existing strengths in research at the interface within Computer Science and Math through strategic hiring of creative scientists to be part of the cutting-edge interdisciplinary environment provided by Purdue University. Successful candidates will have research interests that can build a comprehensive suite of capabilities in quantum algorithm research, information-theoretic analysis, topological quantum computing, chemical physics, and quantum materials, experimental and/or theoretical quantum computing with superconducting qubits, spins in semiconductors and other condensed matter systems, cold atomic ions, Rydberg atoms, photonic systems, or quantum materials.

Qualifications: Candidates must have a PhD in mathematics, computer science, or a closely related field, with outstanding credentials in research related to QIS, an excellent track record of publications and potential for developing a vibrant research program, as well as a strong commitment

to excellence in teaching. Successful candidates are expected to develop an outstanding research program supported by extramural funding and teach courses at the undergraduate and/or graduate level.

The Departments and College: The Departments of Computer Science and Mathematics have over 100 tenured and tenure-track faculty, more than 300 graduate students, and over 500 undergraduate students between them. Over the last 5 years, the two departments have hired more than 30 faculty members and made significant investments in key areas of discovery. The College and the Departments have launched initiatives in new emerging areas, such as Data Science and Quantum Information Science, and committed the resources necessary to make the new growth impactful. For more information, see <https://www.cs.purdue.edu/> and <http://www.math.purdue.edu/>. Purdue is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects. For more information, see <https://www.purdue.edu/purduemoves/initiatives/stem/index.php>.

Application Procedure: Applications must be submitted to <https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=8411&company=purdueuniv&username=> and must include (1) a cover letter (including a discussion of diversity efforts as indicated below), (2) a complete curriculum vitae with publication list, (3) a brief statement of present and future research plans, and (4) a statement of teaching philosophy.

In addition, candidates should arrange for at least 4 letters of reference, one of which discusses the candidate's teaching qualifications, to be sent to qissearch@purdue.edu. Questions regarding the position and search should be directed to chgreene@purdue.edu. Applications completed by December 15, 2019, will be given full consideration, although the search will continue until the position is filled.

Purdue University's Departments of Computer Science and Mathematics are committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. A background check will be required for employment in this position.

Purdue University is an EEO/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Radford University

Computer Science Tenure-track Position

The Department of Information Technology is seeking qualified applicants for a tenure-track position at the rank of Assistant Professor starting August 10, 2020. Requirements for the position include the ability to teach a variety of

coursework in our Computer Science, Information Systems, and Cybersecurity degree programs. Successful applicants must have a terminal degree in the discipline. Preference will be given to candidates who can effectively teach in one or more of the following areas: software engineering, cybersecurity, and networks.

Located in southwestern Virginia, Radford University is a comprehensive, midsize public university that is student-focused, providing its approximately 11,870 students a diversity of outstanding academic programs. Radford University has consistently been named a "Best in the Southeast" institute by The Princeton Review.

To apply, please visit <http://jobs.radford.edu/postings/7991>. You will be asked to upload a cover letter, current vitae, graduate transcripts, and names, addresses, and contact information for three professional references. For more information, contact the Search Committee Chair, Dr. Joe Chase, at jchase@radford.edu. Review of applications will begin January 2, 2020.

Radford University is an EO/AA employer committed to diversity.

Ramapo College of New Jersey

Assistant Professor of Computer Science

Ramapo College of New Jersey (RCNJ) seeks applicants for multiple tenure track positions in Computer Science, beginning

September 2020. Successful candidates will teach a variety of computer science courses at both undergraduate and graduate levels.

Candidates will also assist in supporting RCNJ's new Data Science program (BS and MS), launching September 2020. The program is a collaboration between the Mathematics, Computer Science, and Data Science departments. You will have the opportunity to help shape these new programs.

RCNJ is New Jersey's Public Liberal Arts College, dedicated to providing students a strong foundation for a lifetime of achievement. The College is committed to academic excellence through interdisciplinary and experiential learning and international and intercultural understanding. Ramapo College emphasizes teaching and individual attention to all students. We promote diversity, inclusiveness, sustainability, student engagement, and community involvement.

Requirements

- PhD in Computer Science, or a closely related field completed by September 2020.
- Expertise in any of the following preferred: database systems, data science/analytics, machine learning, security, computer architecture, computer graphics. Other areas welcome.
- The candidate must have a strong background in their discipline, as evidenced by publications,

presentations, professional experience, external funding record, and/or their work as a Ph.D. candidate.

Application Instructions

Candidates must apply electronically through RCNJ's application site:

<https://www.ramapojobs.com/job-details?jobID=387>

Additional Information:

RCNJ is an Affirmative Action/Equal Employment Opportunity Employer.

Additional details are found here: <https://www.ramapojobs.com/job-details?jobID=387>

Rice University

Department of Computer Science

Faculty Positions - Open Rank

The Department of Computer Science at Rice University invites applications for tenured and tenure-track faculty positions at all ranks. Strong applicants in all areas of computer science are encouraged to apply. Consistent with the National Academies' report, *Convergence: Facilitating Transdisciplinary Integration of Life Sciences, Physical Sciences, Engineering, and Beyond*, we are also seeking candidates who have a demonstrated ability to lead and work in research groups that "...[integrate] the knowledge, tools, and ways of thinking..." from engineering, mathematics, and computational, natural, social, and behavioral sciences to solve problems using a convergent approach. The

successful candidate will have a strong commitment to teaching, advising, and mentoring undergraduate and graduate students from diverse backgrounds. The positions will start in July 2020. Applicants must hold a Ph.D. degree or equivalent in computer science or a related discipline, or must complete the Ph.D. by November 1 of the year employment commences.

Please submit a CV, a research statement, a statement of teaching interests, and the names and addresses of at least three references through <http://jobs.rice.edu/postings/21836>. The application deadline for these positions is December 31, 2019. However, late applications may still be considered at the discretion of the faculty search committee. More information can be found on our web site, <http://www.cs.rice.edu>, or by contacting the Computer Science Department Administrator, Karen Lavelle, at klavelle@rice.edu.

About the Department and School of Engineering

The Department of Computer Science has consistently ranked among the top 20 graduate programs in the country (US News & World Report) and is strongly committed to excellence in teaching, research, and service. The department hired several outstanding young faculty members in the last few years and is authorized to hire at least 10 tenured and tenure-track faculty members in the next four years.

The Department is part of the George R. Brown School of Engineering, which ranks among the top 20 undergraduate

engineering programs (US News & World Report) and is strongly committed to nurturing the aspirations of faculty, staff, and students in an inclusive environment.

About Rice University

Rice University is a private university with a strong reputation for academic and research excellence. Rice attracts outstanding undergraduate and graduate students from across the nation and around the world. Rice provides a stimulating environment for research, teaching, and joint projects with industry. The department and the university have access to superb computational research facilities, both on-campus and in our networked off-campus data center. The university is located across the street from the Texas Medical Center, one of the premiere centers for medical research in the United States. Houston's energy, medical, aerospace, and technology communities together make the city a hub for computational innovations across real-time, embedded and high-performance systems, with an increasing demand for data analytics across this spectrum. Houston is in the midst of technological transformation with the development of a high-tech district, the ION (<https://ionhouston.com>), which will provide opportunities for collaborations with some of the world's top energy companies that are already transformed by data science. As the fourth-largest city in the USA, Houston is a cosmopolitan destination with a vibrant economy and world-class

performing arts, museums, sports, and dining venues that are all located in close proximity to Rice.

We seek greater representation of women, minorities, people with disabilities, and veterans in disciplines in which they have historically been underrepresented; to attract international students from a wider range of countries and backgrounds; to accelerate progress in building a faculty and staff who are diverse in background and thought; and we support an inclusive environment that fosters interaction and understanding within our diverse community.

Rice University is an Equal Opportunity Employer with commitment to diversity at all levels and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability, or protected veteran status.

Rutgers University

DIMACS postdoctoral associateship positions

DIMACS, the Center for Discrete Mathematics and Theoretical Computer Science, based at Rutgers University, invites applications for postdoctoral positions associated with the Center.

DIMACS will have four positions available:

a) DIMACS - Institute for Advanced Study (IAS) Postdoc. This is a two-year postdoctoral associateship with the first

year (2020-2021) spent at DIMACS, and the second year (2021-2022) spent at IAS in Princeton. There is a requirement to teach one course during the first year. Applicants should be recent PhDs with interest in theoretical computer science and/or discrete mathematics. Research areas include but are not limited to: computational complexity, algorithms, optimization, cryptography, combinatorics, graph theory, and discrete probability. For this postdoc, applicants must apply both to DIMACS and IAS.

b) Economics and Computation Research area of Artificial Intelligence Postdoc,

in collaboration with the Department of Computer Science at Rutgers University. This is a one-year position with the possibility of renewal. Topics include but are not limited to: algorithmic game theory, auctions, crowdsourcing, information elicitation, machine learning in economics, mechanism/market design, and prediction markets. Applicants should be recent PhD graduates in computer science, economics, information science, operations research, or a related field, preferably with a focus in artificial intelligence or theory.

c) DATA-INSPIRE Postdoc. This position is in a new transdisciplinary (TRIPODS) Institute based at DIMACS on Data Science for Intelligent Systems and People Interaction that integrates Computer Science, Mathematics, and Statistics with a focus on data science principles and the emerging convergence of humans with machines. Applicants should be recent PhDs in computer science, math, or

statistics, with a demonstrated interest in working across these disciplines.

d) Simons A&G Postdoc. This is a one- or two-year position, part of the Simons Collaboration on Algorithms and Geometry, which aims to address fundamental questions at the interface of mathematics and theoretical computer science. Applicants should be recent PhDs with interest in theoretical computer science and/or discrete mathematics. Research areas include but are not limited to: computational complexity, algorithms, optimization, cryptography, combinatorics, graph theory, and discrete probability.

All positions provide salary, health benefits, and an allowance for domestic travel.

Applicants should provide a cover letter specifying which postdoctoral position(s) they are applying for, a curriculum vitae, a research statement highlighting their past and planned future research, optionally a teaching statement, and the names & email addresses of three references.

DIMACS is a consortium of several universities (Rutgers, Columbia, Georgia Tech, NJIT, Princeton, RPI, and Stevens) and corporate research labs (AT&T, Avaya, IBM, Microsoft, NEC, Nokia, and Perspecta). Research and education areas at DIMACS include algorithms, combinatorics, complexity, privacy and security, discrete and computational geometry, optimization, graph theory, data science, artificial intelligence, and machine learning, with applications in sustainability, epidemiology, genetics, networks, transportation, security, and economics.

Many DIMACS activities relate to specific topics of current interest represented by the DIMACS Special Focus programs. Postdoctoral Associates at DIMACS are encouraged to collaborate with DIMACS members and visitors and to participate in all of the research and educational activities of DIMACS.

We believe that research and society benefit from a diverse workplace, and strongly encourage applications from women, minorities, individuals with disabilities, veterans, and students with non-traditional backgrounds.

For more information: <http://jobs.rutgers.edu/postings/I03779>

Rutgers University-Newark

Assistant/Associate/Full Professor Computer Science Neuroscience Bridge

The Department of Mathematics and Computer Science at Rutgers University-Newark (RU-N) invites applications for an Assistant, Associate or full Professor tenure track position in Data Science. The position will be based at RU-N, to begin September 2020. We seek applicants with exceptional research programs focusing on computational methods in machine learning, mathematical modeling of complex data sets, causal inference, science of science, or innovative approaches to AI. We especially seek someone who will bridge with Behavioral or Neurosciences either through methods used or questions investigated.

Committed to building a cluster of faculty around interdisciplinary Computer Science, Data Science, and AI, we also are conducting complementary searches. We seek candidates who have a dynamic and interdisciplinary conception of their research, who can contribute to research and teaching in their areas, and as a core around which to build a new research center, graduate program, and undergraduate programs in interdisciplinary Computer Science, Data Science, and AI. For further details and applications, visit: <https://jobs.rutgers.edu/postings/I05138>

Rutgers University-Newark

Assistant/Associate/Full Professor Computer Science Physics Bridge

The Department of Mathematics and Computer Science at Rutgers University-Newark (RU-N) invites applications for an Assistant, Associate, or full Professor tenure-track position in Data Science. The position will be based at RU-N, to begin September 2020. We seek applicants with exceptional research programs that bridge machine learning and physics, including, but not limited, to quantum machine learning or information, network theory, or complex adaptive systems.

Committed to building a cluster of faculty around interdisciplinary Computer Science, Data Science, and AI, we also are conducting complementary searches. We seek candidates who have a dynamic and interdisciplinary conception of their research, who can

contribute to research and teaching in their areas, and as a core around which to build a new research center, graduate program, and undergraduate programs in interdisciplinary Computer Science, Data Science, and AI. For further details and applications, visit: <https://jobs.rutgers.edu/postings/I05108>

Rutgers University

Tenure-Track Professor in Computer Science

The Computer Science Department at Rutgers University invites applications for a tenure-track position. We are especially interested in hiring at the Assistant Professor level in the area of Cybersecurity, but invite applications in all areas of Computer Science at all levels. Responsibilities include research, supervision of PhD students, and teaching undergraduate and graduate level courses in Computer Science. Pursuit of external research funding is expected. The appointment will start September 1, 2020.

Qualifications: Successful completion of a PhD or equivalent in Computer Science or a closely related field is required by the start date.

To apply for the position, go to: <http://jobs.rutgers.edu/postings/I04678> and submit your CV, a research statement addressing both past and future work, a teaching statement, and contact information for three references. For questions, contact: santosh.nagarakatte@cs.rutgers.edu

The CS Department is strongly committed to increasing the diversity of our faculty and welcomes applications from women, dual-career couples, historically underrepresented populations and candidates with disabilities. Offer is contingent upon successful completion of all pre-employment screenings. Rutgers is an affirmative action/equal opportunity employer.

Rutgers University

Full-Time Tenure-Track Assistant Professor in Computer Science

The Department of Computer Science at Rutgers University, Camden (<http://cs.camden.rutgers.edu>) invites applications for a full-time, tenure-track Assistant Professor position to begin September 1, 2020. We welcome applicants in all areas of specialization. We especially encourage candidates in applied areas, such as databases, distributed systems, cybersecurity, computer networks, artificial intelligence, and machine learning. The successful candidate must establish a productive research program supported by external funding and demonstrate a strong commitment to excellence in teaching. The normal teaching load is 2-2; new assistant professors may receive a one-course reduction. The candidate will be expected to teach a variety of courses, mentor student research, and contribute broadly to the academic life of the department and the School of Arts and Sciences. Candidates must have completed all Ph.D. requirements by the start date.

The department offers Bachelor's and Master's degrees in Computer Science. The candidate will also have the opportunity to become a member in the Center for Computational and Integrative Biology (CCIB), an interdisciplinary research center for bridging experimental and computational approaches in quantitative biology. The CCIB has Doctoral and Master's programs in Computational and Integrative Biology.

Prospective candidates must submit an application that includes a cover letter, curriculum vitae, research statement, teaching statement, and names of at least three references to the Computer Science Search Committee.

Applications submitted by 15 Dec. 2019 will receive maximum consideration, but the committee will continue to accept applications until the position is filled.

Please submit all material electronically at jobs.rutgers.edu/postings/102234.

Inquiries may be directed to Suneeta Ramaswami, Search Committee Chair, suneeta.ramaswami@rutgers.edu.

Saarland University

4 Tenure Track Faculty Positions (Associate Professors) in Computer Science

Saarland University as part of the Saarland Informatics Campus (SIC) is seeking to hire initially 4 Associate Professors (W2) in Computer Science

with tenure track to a permanent W3 professorship in the following areas:

- Artificial Intelligence, Machine Learning
- Natural Language Processing
- Data Science, Big Data
- Graphics, Visualization, Computer Vision
- Human-Computer Interaction
- Programming Languages and Software Engineering
- Computer Architecture and High-Performance Computing
- Networked, Distributed, Embedded, Real-Time Systems
- Bioinformatics
- Computational Logic and Verification
- Theory and Algorithms
- Societal Aspects of Computing

We especially encourage applications of outstanding researchers in any modern area of Computer Science. With its 800 researchers and more than 2,000 students from 81 countries, the SIC belongs to one of the leading locations for Computer Science in Germany and in Europe. All areas of computer science are covered at five globally renowned research institutes and three collaborating university departments, as well as in a total of 21 academic programs. More than 350 PhD students are working on timely topics. See <https://saarland-informatics-campus.de/> for additional information.

Associate professors have faculty status at Saarland University. They focus on world-

class research, will lead their own research group and will have a significantly reduced teaching load. In case of outstanding performance, the position will be tenured as full professor (W3).

Applicants must hold an outstanding PhD degree, typically have completed a postdoc stay and have teaching experience. They must have demonstrated outstanding research abilities and the potential to successfully lead their own research group. Teaching languages are English or German (basic courses).

Candidates should submit their application online at: <https://applications.saarland-informatics-campus.de>

Detailed application requirements can be found at: <http://bit.ly/sictenuretrack>. Applications will be accepted until January 5th, 2020. Please contact apply@saarland-informatics-campus.de if you have any questions.

San Francisco State University

Assistant Professor - Database/Data Analytics/Big Data, Human-Computer Interaction, or Theory/Algorithms

San Francisco State University, Department of Computer Science seeks applicants for three tenure-track Assistant Professor position in Database/Data Analytics/Big Data, Human-Computer Interaction, or Theory/Algorithms, beginning August 2020 (Candidates in other areas are also encouraged to apply).

The mission of San Francisco State University is to create an environment for learning that promotes appreciation of scholarship, freedom, human diversity, and the cultural mosaic of the City of San Francisco and the Bay Area; to promote excellence in instruction and intellectual accomplishment; and to provide broadly accessible higher education for residents of the region, state, the nation, and the world. Ph.D. or equivalent degree in Computer Science required. Salary commensurate with qualifications.

Position description available at <http://cs.sfsu.edu>. Application review begins 12/1/2019, continues until filled. Submit letter of intent, a current CV, a statement on how your teaching and scholarship align with the commitment of the CS Department to foster an inclusive and diverse academic community; representative publications; teaching statement; research statement; contact information of three references at AcademicJobsOnline (Job: 14637). Letters of recommendation upon request at a later date.

San José State University

*San José, California
Department of Computer Science*

Job ID (JOID): 25158
Rank: Assistant Professor (tenure-track)

Starting Date: August 13, 2020

Eligibility: Employment is contingent upon proof of eligibility to work in the United States.

Application Procedure:

All materials are due by Friday, November 15, 2019. Apply at <https://apply.interfolio.com/68439>

Santa Clara University

Assistant Professor in Information Systems and Analytics

Purpose

The Information Systems and Analytics (ISA) Department of the Leavey School of Business at Santa Clara University invites applications for three tenure-track positions beginning Fall 2020.

Qualifications

Applicants must have a Ph.D. in Information Systems, Computer Science, Operations Management, Business Analytics, Statistics, or a related field. Preference will be given to candidates who have demonstrated excellence in research and teaching, embrace the Silicon Valley spirit, and have the expertise or willingness to teach one or more of technical courses, such as Deep Learning, Enterprise Architecture, Web & Mobile Programming, Network Security, Cloud Computing, and Internet of Things.

Salary and Housing Assistance

Salaries are competitive and commensurate with qualifications and experience. Recognizing the high cost of housing in the local area, the University provides housing support.

About Santa Clara University

Santa Clara University is a comprehensive university located in California's Silicon Valley, offering its 8,800 students. The 2020 U.S. News and World Report ranks Santa Clara University #54 in National Universities. The ISA department offers both Information Systems and Business Analytics programs at the undergraduate and master's levels and contributes courses to MBA and other graduate programs at Santa Clara University.

Work Authorization

A foreign national who is appointed to a tenured or tenure-track faculty position is eligible for sponsorship by Santa Clara University.

More Details & How to Apply

https://wd1.myworkdaysite.com/en-US/recruiting/scu/scu/job/Santa-Clara-CA/Assistant-Professor_R201

ShanghaiTech University

Tenure-Track and Tenured Positions

School of Information Science and Technology (SIST)

ShanghaiTech University invites highly qualified candidates to fill multiple tenure-track/tenured faculty positions as its core founding team in the School of Information Science and Technology (SIST). We seek candidates with exceptional academic records or demonstrated strong potentials in all cutting-edge research areas of information science and technology. They must be fluent in

English. English-based overseas academic training or background is highly desired.

ShanghaiTech is founded as a world-class research university for training future generations of scientists, entrepreneurs, and technical leaders. Boasting a new modern campus in Zhangjiang High-tech Park of cosmopolitan Shanghai, ShanghaiTech shall trail-blaze a new education system in China. Besides establishing and maintaining a world-class research profile, faculty candidates are also expected to contribute substantially to both graduate and undergraduate educations.

Academic Disciplines:

Candidates in all areas of information science and technology shall be considered. Our recruitment focus includes, but is not limited to: computer science and technology, electronic science and technology, information and communication engineering, applied mathematics and statistics, data science, robotics, bioinformatics, biomedical engineering, internet of things, smart energy, computer systems and security, operation research, mathematical optimization and other interdisciplinary fields involving information science and technology, especially areas related to AI.

Compensation and Benefits:

Salary and startup funds are highly competitive, commensurate with experience and academic accomplishment. We also offer a comprehensive benefits package to employees and eligible

dependents, including on-campus housing. All regular ShanghaiTech faculty members will join its new tenure-track system in accordance with international practice for progress evaluation and promotion.

Qualifications:

- Strong research productivity and demonstrated potentials;
- Ph.D. (Electrical Engineering, Computer Engineering, Computer Science, Statistics, Applied Math, or related field);
- A minimum relevant (including Ph.D.) research experience of 4 years.

Applications:

Submit (in English, PDF version) a cover letter, a 2-page research plan, a CV plus copies of 3 most significant publications, and names of three referees to: <https://www.wenjuan.com/s/NJ7RBf/>

For more information, please visit <http://sist.shanghaitech.edu.cn/> or contact sist@shanghaitech.edu.cn

Simon Fraser University

Teaching Faculty—Technical Writing and Research Methodologies

The School of Computing Science invites applications for a continuing Teaching Faculty position to develop and teach undergraduate and graduate courses on Technical Writing, Research Methodologies, Intellectual Property Management, Oral and Written Communications Skills, Computing Ethics, and Social Implications of Computerized

Society. We have one position available at the rank of Lecturer, however, with approval from the Dean and Provost, an appointment at the rank of Senior Lecturer is also a possibility. The salary will be commensurate with qualifications and experience.

The ideal candidate is expected to possess the following qualifications:

- A doctoral or master's degree in Computer Science or a related scientific/technical/engineering discipline
- Formal education and/or training in technical writing
- Academic and/or industrial experience of teaching and developing technical writing courses
- Passion for teaching, excellent communication skills, enthusiasm for developing new courses, and leadership and group management skills
- Commitment to diversity, equity and inclusion

SFU is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has been consistently ranked among the top computer science departments in Canada and internationally. The School currently has 60 faculty members, 400 Ph.D. and M.Sc. students, and 2,000 undergraduate majors.

To apply, please submit your curriculum vitae, teaching statement, and the names and email addresses of at least three referees to our online application system:

<http://www.sfu.ca/computing/job-opportunities.html>

Full consideration will be given to applications received by January 10, 2020. Applications received after this deadline may be reviewed as far as the position is still open. The position is subject to availability of funding and approval by the SFU Board of Governors. Any inquiries regarding this posting may be directed to cssec@sfu.ca.

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Simon Fraser University is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, persons of aboriginal heritage, persons with disabilities, and LGBTQ-identified persons.

Under the authority of the University Act, personal information that is required by the University Academic Appointment Competitions will be collected. For further details see the Collection Notice at:

http://www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html

Sonoma State University

*Department of Computer Science
Assistant or Associate Professor of
Computer Science California*

Department of Computer Science at Sonoma State University is seeking a highly motivated teacher/scholar to

join the department at the Assistant or Associate Professor level starting August 2020. The Department offers a Bachelor of Science degree with near 400 majors, as well as a minor in computer science. The successful candidate will teach computer science courses across our Bachelor of Science curriculum, offer upper-division electives in their areas of expertise, demonstrate the potential for a sustained research career, and actively foster an undergraduate research program. Collaborating with professionals in industry and seeking external funding are strongly encouraged. Teaching excellence is an important cornerstone of this position. The ability to work with a diverse group, educating a diverse student body is essential.

Please see <http://academicaffairs.sonoma.edu/faculty-affairs/prospective-faculty/tenure-track-positions>

Southern Illinois University Carbondale

*Assistant Professor in School
of Computing*

Position/Rank: Two Assistant Professor, 9-month, continuing appointment, tenure-track positions in the School of Computing. Appointment beginning August 16, 2020.

Qualifications/Requirements: Ph.D. in computer science or related field by date of appointment. Candidates must show evidence of high quality ongoing and future research and teaching competency

for computer science courses at both the undergraduate and graduate level. Specialty in Computer Security, Graphics and Game Development, Cyber-Physical Systems, or applicants in other specialized areas will be considered.

Application Deadline: January 15, 2020, or until filled.

Application Procedure: Applicants should send a letter of interest, teaching philosophy, research philosophy, curriculum vitae, and provide the names and contact information for at least three references – all application materials to be sent directly via email to hireing@cs.siu.edu or mailed to: Director, School of Computing, Engineering A0319 Mail Code 4511, Southern Illinois University Carbondale, 1230 Lincoln Drive, Carbondale, IL 62901. Questions may be directed to the Director, via hireing@cs.siu.edu. Visit www.cs.siu.edu for information about the School.

SIU Carbondale is an Affirmative Action/Equal Opportunity Employer of individuals with disabilities and protected veterans that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.

Spelman College

Assistant Professor of Bioinformatics

Spelman College invites applications for a tenure-track position at the Assistant

Professor level, in Bioinformatics, Computational Biology, or Systems Biology to begin in August 2020. This position represents a joint appointment with the Biology and Computer and Information Sciences departments. The ideal candidate will have expertise in machine learning, artificial intelligence, data mining, natural language processing, or statistics with applications in genomics, healthcare, proteomics, or related areas. The successful candidate will demonstrate not only potential for excellent undergraduate teaching, but also promise in sustained research with opportunities to involve undergraduates, mentoring, and service to the Department and College. The ideal candidate should be able to teach courses within the core curriculum of biology, such as cellular or molecular biology and relevant computer science courses, including introductory programming, data structures, and algorithmic analysis.

The candidate will also be expected to develop new bioinformatics courses. Candidates with a demonstrated commitment to working with women and underrepresented minority students through teaching, mentoring, and research are especially encouraged to [apply](#).

Stanford University

Human-Centered Artificial Intelligence Institute Faculty Openings

The Institute for Human-Centered Artificial Intelligence (HAI) at Stanford University invites applications for fixed-term Assistant Professor (Research) faculty

positions. These appointments are for a non-renewable term of five years, beginning in September 2020. Selected candidates will be appointed in an appropriate disciplinary department (e.g., Computer Science, Philosophy, Psychology, Sociology), and will be Junior Fellows of the Stanford Institute for Human-Centered Artificial Intelligence.

We are seeking applicants from all areas of research related to artificial intelligence, spanning theoretical foundations, systems, software, applications, and human or societal impact. We are particularly interested in researchers working at the frontiers of artificial intelligence and other disciplines, including but not limited to the humanities, business, education, law, medicine, and physical and social sciences.

Applicants must have completed (or be completing) a Ph.D., must have demonstrated the ability to pursue a program of research, and must have a strong commitment to teaching. A successful candidate will be expected to teach one course per year at the graduate and/or undergraduate levels.

Further information about the HAI Institute can be found at <https://hai.stanford.edu>. Application Requirements:

- All applications should include a curriculum vita, list of publications, and brief (3 page total) statements of research and teaching interests.
- Applicants should submit the names and contact information of at least four references.

Please apply *online* <https://academicjobsonline.org/ajo/jobs/15541>.

You will need to create an Academic Jobs Online account if you do not already have one. Questions should be directed to Search Committee Chair, c/o rlsharma@stanford.edu, via electronic mail to hai-search@stanford.edu.

The review of applications will begin on January 15, 2020, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until February 15, 2020.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University's research, teaching and clinical missions.

Stanford University

Department of Computer Science Faculty Openings

The Department of Computer Science at Stanford University invites applications for tenure track faculty positions at the junior level (Assistant or untenured Associate Professor). We give higher priority to the overall originality and promise of the candidate's work than to the candidate's

sub-area of specialization within Computer Science.

We are seeking applicants from all areas of Computer Science, spanning theoretical foundations, systems, software, and applications. We are also interested in applicants doing research at the frontiers of Computer Science with other disciplines, including but certainly not limited to those in the engineering, mathematical, medical, physical, and social sciences. Applicants must have completed (or be completing) a Ph.D., must have demonstrated the ability to pursue a program of research, and must have a strong commitment to graduate and undergraduate teaching. A successful candidate will be expected to teach courses at the graduate and undergraduate levels, and to build and lead a team of graduate students in Ph.D. research. Further information about the Computer Science Department can be found at <https://cs.stanford.edu>. The School of Engineering website may be found at <https://engineering.stanford.edu>.

Application Requirements:

- All applications should include a curriculum vita, list of publications, and brief (3 page total, including references) statements of research and teaching interests.
- Applicants should submit the names and contact information of at least four references.

Please apply online at <https://www.applyweb.com/cgi-bin/app?s=STANFAC>.

You will need to create a CollegeNet account if you do not already have one. Questions should be directed to, Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to search@cs.stanford.edu.

The review of applications will begin on December 6, 2019, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until February 4, 2020.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University's research, teaching and clinical missions.

Stevens Institute of Technology

Director of Stevens Institute for Artificial Intelligence

The Department of Computer Science at the Schaefer School of Engineering and Science (SES), Stevens Institute of Technology (Stevens) invites applications for the position of Director of the Stevens Institute for Artificial Intelligence (SIAI). SIAI is a new, interdisciplinary research



Tenure-Track Faculty Positions in Systems and Enterprises

Application package to stevens.edu/career
Email inquiries to sse-search@lists.stevens.edu

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology in Hoboken, New Jersey invites applications for tenure-track faculty positions, starting Fall 2020 or on a mutually agreed upon date. Successful candidates will contribute to a dynamic and growing research and educational program in the areas of smart systems, healthcare systems, cyber physical systems, software engineering, system security and underlying enabling technologies, such as machine learning, data engineering, embedded systems and hardware implementation.

Job Duties

Faculty duties include teaching at the undergraduate and graduate levels, advising and mentoring graduate students, conducting externally-funded research, as well as contributing to service to Stevens and to the professional community. Candidates will be expected to become leaders in their field of research, to develop a vibrant externally-funded research program and to contribute to best-in-class educational programs.

Basic Qualifications

Applicants must possess a doctoral degree in a related engineering or science discipline prior to commencement of employment. To apply, please submit an application package as a single PDF file containing a cover letter, curriculum vita, research statement, teaching statement and contact information for four references to stevens.edu/careers. Please email any questions to sse-search@lists.stevens.edu.

Review of applications will commence on December 15, 2019 and continue until the position is filled.

About the School

The School of Systems and Enterprises at Stevens Institute of Technology is a leading institution in systems innovation and research located in Hoboken, New Jersey, a vibrant city with a population of 54,000 on the Hudson River directly across from New York City. Ranked amongst the top graduate programs in industrial, systems and software engineering by the *U.S. News and World Report*, faculty in SSE embrace diverse careers with both academic and industry experience. SSE is home to the Systems Engineering Research Center (SERC), a University-Affiliated Research Center of the US Department of Defense that leverages the research and expertise of senior lead researchers from 22 collaborator universities throughout the United States. The School of Systems and Enterprises at Stevens values diversity and seeks candidates who can contribute to a welcoming climate for students of all races and genders. Stevens is an NSF ADVANCE institution committed to equitable practices and policies. We strongly encourage qualified women and minority candidates to apply.

Stevens Institute of Technology is an Equal Opportunity Employer.

center that brings together over 50 faculty members from most schools and departments of Stevens. Qualified individuals will also be considered for an endowed chair position within SES. Candidates for this position should have earned a Ph.D. in Computer Science or a related discipline and should apply at least at the rank of associate professor. For more information on SIAI, see: <https://www.stevens.edu/siai>

The Director of SIAI is expected to have a record of quality research, demonstrated leadership with building and managing a research enterprise, a strong interest and ability in promoting sponsored research programs and mentoring faculty of all backgrounds, commitment to excellence in teaching a diverse student body, and a strategic vision.

Applications will be accepted until the position is filled. All applications must be

submitted electronically at <https://academicjobsonline.org/ajol/stevens>. Applicants should submit their curriculum vitae, a research plan, teaching interests and philosophy, and at least three reference letters. For any inquiries, please contact the Search Committee Chair, Professor Philippos Mordohai at Philippos.Mordohai@stevens.edu.

The Department of Computer Science is home to 26 full-time faculty members,

including nine hired in the last three years, approximately 1,000 undergraduate and graduate students and will be the prime occupant of the Institute's new \$45 million state-of-the-art academic building. Faculty research is supported by the NSF, NIH, NSA, ONR, DARPA, and other federal and private funding sources and is carried out by a vibrant group of Ph.D. students, which has grown by 50% in the last few years.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens' superb location offers excellent opportunities for collaboration with nearby universities and major corporate research laboratories.

The Department of Computer Science is committed to increasing the diversity of the campus community. Stevens is an Equal Opportunity Employer that is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates as well as veterans and individuals with disabilities. Stevens is an NSF ADVANCE institution committed to equitable practices and policies.

Stevens Institute of Technology

Teaching Faculty Position in Computer Science

The Department of Computer Science at the Schaefer School of Engineering

and Science (SES), Stevens Institute of Technology (Stevens) invites applications for a non-tenure-track, teaching faculty position in all areas of Computer Science.

Applicants should have earned a Ph.D. in Computer Science or a related discipline. The rank of the appointment will depend on experience and qualifications. Successful candidates are expected to have a strong commitment to excellence in teaching at both the graduate and undergraduate level. They are also expected to advise students, supervise them in research, and contribute to the highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens.

The Department of Computer Science is home to 26 full-time faculty members, including nine hired in the last three years, approximately 1,000 undergraduate and graduate students and will be the prime occupant of the Institute's new \$45 million state-of-the-art academic building. Faculty research is supported by the NSF, NIH, NSA, ONR, DARPA, and other federal and private funding sources and is carried out by a vibrant group of Ph.D. students, which has grown by 50% in the last few years.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens' superb location offers excellent opportunities for collaboration with nearby universities and major corporate research laboratories.

The Department of Computer Science is committed to increasing the diversity of the campus community. Stevens is an Equal Opportunity Employer that is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates as well as veterans and individuals with disabilities. Stevens is an NSF ADVANCE institution committed to equitable practices and policies.

Applications will be accepted until the positions are filled. Applications received by January 15, 2020, will receive full consideration. All applications must be submitted electronically at <https://academicjobsonline.org/ajo/stevens>. Applicants should submit their curriculum vitae, a research plan, teaching interests and philosophy, and at least three reference letters. For any inquiries, please contact the Search Committee Chair, Professor Philippos Mordohai (Philippos.Mordohai@stevens.edu).

Stevens Institute of Technology

Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science at the Schaefer School of Engineering and Science (SES), Stevens Institute of Technology (Stevens) invites applications for four tenure-track positions in the areas of:

- Systems, including operating systems, networking, distributed and embedded systems;

- Theoretical computer science, including algorithms, data structures, computational complexity and probabilistic computation;
- Cybersecurity, including systems security, cryptography and privacy.

Strong candidates in all areas of Computer Science will also be considered.

Applicants should have earned a Ph.D. in Computer Science or a related discipline. The rank of the appointment will depend on experience and qualifications. Successful candidates are expected to develop a strong, externally funded, research program, teach graduate and undergraduate education, supervise graduate students in research, and contribute to the highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens.

In the area of cybersecurity in particular, we seek senior applicants who will be committed to lead our B.S. and M.S. programs in Cybersecurity.

The Department of Computer Science is home to 26 full-time faculty members, including nine hired in the last three years, approximately 1,000 undergraduate and graduate students and will be the prime occupant of the Institute's new \$45 million state-of-the-art academic building. Faculty research is supported by the NSF, NIH, NSA, ONR, DARPA, and other federal and private funding sources and is carried out by a vibrant group of Ph.D. students, which has grown by 50% in the last few years.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens' superb location offers excellent opportunities for collaboration with nearby universities and major corporate research laboratories.

The Department of Computer Science is committed to increasing the diversity of the campus community. Stevens is an Equal Opportunity Employer that is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates as well as veterans and individuals with disabilities. Stevens is an NSF ADVANCE institution committed to equitable practices and policies.

Applications will be accepted until the positions are filled. Applications received by January 15, 2020, will receive full consideration. All applications must be submitted electronically at <https://academicjobsonline.org/ajo/stevens>.

Applicants should submit their curriculum vitae, a research plan, teaching interests and philosophy, and at least three reference letters. For any inquiries, please contact the Search Committee Chair, Professor Philippos Mordohai (Philippos.Mordohai@stevens.edu).

Stevens Institute of Technology

Full-time Lecturer

The Department of Computer Science at the Schaefer School of Engineering and

Science (SES), Stevens Institute of Technology (Stevens) invites applications for the position of Lecturer. Candidates for this position should hold an M.S. at least, or a Ph.D. preferably, in Computer Science or a related discipline and should have demonstrated a commitment to teaching excellence and innovation. We seek candidates who can contribute to large lower- and upper-level undergraduate and master's level courses, primarily in the following areas:

- Systems,
- Operating systems,
- Networking,
- Software engineering.

The typical workload for a full-time lecturer is teaching 8 sections of undergraduate and graduate courses per year. The initial teaching load is expected to be lighter to ease the transition of the new lecturers to Stevens. Teaching assignments will be made considering the lecturers' preferences and expertise. We seek candidates who will maintain and improve the strong relationships between faculty and students and who can contribute to curriculum development. The department values teaching and educational innovation, and welcomes candidates interested in formally researching computing education in the context of their teaching.

The target start date is January 2020, but applications will be accepted until the position is filled. All applications must be submitted electronically at <https://academicjobsonline.org/ajo/stevens>. Applicants should submit

their curriculum vitae, a statement of teaching interests and philosophy, and at least three reference letters commenting on the candidate's teaching skills and experience. For any inquiries, please contact the Search Committee Chair, Professor Philippos Mordohai at Philippos.Mordohai@stevens.edu.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens' superb location offers excellent opportunities for collaboration with nearby universities and major corporations. The Department of Computer Science is home to 26 full-time faculty members, approximately 1,000 undergraduate and graduate students and will be the prime occupant of the Institute's new \$45 million state-of-the-art academic building.

The Department of Computer Science is committed to increasing the diversity of the campus community. Stevens is an Equal Opportunity Employer that is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates as well as veterans and individuals with disabilities. Stevens is an NSF ADVANCE institution committed to equitable practices and policies.

Swarthmore College

Faculty Search

The Department of Computer Science at Swarthmore College invites applications for (1) a tenure-track position at the rank of Assistant Professor and (2) multiple visiting assistant professor positions to begin fall semester 2020. Applicants must have or expect to have a Ph.D. in Computer Science or a related field by the position's start date. All areas of computer science will be considered. We are particularly interested in areas that complement our existing offerings, including compilers, programming languages, high-performance computing, security, algorithms, and theory. The Department also welcomes candidates who conduct interdisciplinary research in the humanities and social sciences.

Swarthmore College is a highly selective liberal arts college, located in the suburbs of Philadelphia, whose mission combines academic rigor with social responsibility. The Computer Science Department currently has nine tenure-track faculty and three visiting faculty. Faculty teach introductory courses as well as advanced courses in their research areas. Our majors and minors are much more diverse than the national averages in CS and we also have 35% female majors. We have grown significantly in both faculty and students in the last five years. Presently, we are one of the most popular majors at the College and expect to have over 70 Computer Science majors graduating this year (2020).

Qualifications:

Applicants must have a Ph.D. in Computer Science or expected by fall 2020. Applicants strong in any area of computer science will be considered.

Institutional Statement on Teaching Diverse Audiences

The strongest candidates will be expected to demonstrate a commitment to creative teaching and an active research program that speaks to and motivates undergraduates from diverse backgrounds.

Applicant Instructions

Applicants should include a cover letter, a curriculum vitae, a research statement, a teaching statement and three letters of recommendation, including at least one letter specifically commenting on teaching. Applications will not be considered until letters of recommendation have been submitted. Please address any questions you may have to Kathy Reinersmann, Computer Science Department at kreiner1@swarthmore.edu.

Applications received by November 15, 2019 for the Tenure Track position will receive full consideration.

Apply here. Applications received by January 15, 2020 for the visiting assistant professor position will receive full consideration **Apply here.** Review of all applications will continue until the positions are filled.

Swarthmore College actively seeks and welcomes applications from candidates with exceptional qualifications.

particularly those with demonstrable commitments to a more inclusive society and world. Swarthmore College is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

Temple University

Tenure-Track Faculty Positions

The Department of Computer and Information Sciences (CIS) at Temple University invites applications for tenure-track faculty whose expertise complements and expands its existing strengths in data science, computer systems, theory, and interdisciplinary research. We will consider candidates in all areas of computer science and at all ranks. We are particularly interested in candidates whose research focuses on creating computer systems that exhibit ability to learn, adapt, understand context, and work seamlessly with and for humans. This includes candidates with expertise in artificial intelligence, machine learning, human computer interaction, user interfaces, natural language processing, computer vision, robotics, and applications. Successful candidates are expected to have an outstanding research track record commensurate with their rank and commitment to excellence in undergraduate and graduate education. The CIS Department offers highly competitive salaries and start-up packages, low teaching load, and institutional support for a world class research program. Review of applications will begin on November 15, 2019 and continue until the positions are filled.

Applications should be submitted electronically at: <https://academicjobsonline.org/ajo/jobs/14773>.

Texas A&M University

Multiple Faculty Positions

Texas A&M University invites applications for two full-time tenure-track positions with a 9-month academic appointment beginning fall 2020. Applicants will be considered for the faculty titles of assistant, associate, and full professor levels depending on qualifications. Candidates are being sought in the areas of theory, systems, software, human-centered computing, data science, artificial intelligence, robotics, and computer science education. Exceptional candidates in other areas are also encouraged to apply.

The successful applicants will be required to teach; advise and mentor graduate students; develop an independent, externally funded research program; participate in all aspects of the department's activities, and serve the profession.

Computer Science and Engineering at Texas A&M is currently one of 14 departments in the College of Engineering. Many of the 47 tenured/tenure-track faculty and 15 teaching-focused faculty hold a number of national distinctions, including ACM, IEEE, AAAS, and SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program with half the

faculty having received NSF CAREER/NYI/PYI awards. Our student population is comprised of over 1,200 undergraduate students (sophomore to senior level) and nearly 400 graduate students. More information about CSE is available at <http://www.cse.tamu.edu>.

Applicants must have earned a doctorate in computer science, computer engineering or a closely related field. Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of three references (including email addresses) by applying for this specific position at apply.interfolio.com/68434. The review process will begin immediately. Priority consideration will be given to applications received by January 4, 2020. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin fall 2020.

Texas A&M University is committed to enriching the learning and working environment for all visitors, students, faculty, and staff by promoting a culture that embraces inclusion, diversity, equity, and accountability. Diverse perspectives, talents, and identities are vital to accomplishing our mission and living our core values.

Equal Opportunity/Affirmative Action/Veterans/Disability Employer committed to diversity.

Texas A&M University

Full Professor

The Department of Computer Science and Engineering (CSE), College of Engineering at Texas A&M University invites applications for a full-time tenured position with a 9-month academic appointment with the possibility of an additional summer appointment, contingent upon need and availability of funds, beginning fall 2020. Applicants will be considered for the faculty title of professor depending on qualifications and may hold the title of College of Engineering Endowed Chair in Computer Science. Exceptional candidates in all areas of computer science or computer engineering are encouraged to apply.

An internationally recognized scholar is being sought who has the vision, enthusiasm, motivation, and capability to build and guide a flourishing research group. Candidates have synergistic interests with existing areas of research strengths, and those who will broaden and expand our current programs will generate the most interest. Applications from candidates with highly innovative research agendas, and/or who cross-traditional disciplinary boundaries are encouraged to apply. The department, with the strong backing of the college and university, is committed to providing the resources needed to enable the endowed chair to quickly establish a vibrant, internationally recognized research presence at Texas A&M. The successful applicant will be required to

teach; advise and mentor students at the undergraduate and graduate levels; develop an independent, externally funded research program; serve the profession; and participate in all aspects of the department's activities, with significant contributions to the excellence of our main initiatives.

Computer Science and Engineering at Texas A&M is currently one of 14 departments in the College of Engineering. Many of the 47 tenured/tenure-track faculty and 15 teaching-focused faculty hold a number of national distinctions, including ACM, IEEE, AAAS, and SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program with half the faculty having received NSF CAREER/NYI/PYI awards. Our student population is comprised of over 1,200 undergraduate students (sophomore to senior level) and nearly 400 graduate students. More information about CSE is available at <http://www.cse.tamu.edu>.

Applicants must have earned a doctorate in computer science, computer engineering or a closely related field.

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of three references (including email addresses) by applying for this specific position at www.tamengineeringcareers.org. The review process will begin immediately. Priority consideration will be given to applications received by January 4, 2020. Applications received

after that date may be considered until positions are filled. It is anticipated the appointment will begin fall 2020.

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Texas A&M University

Open Rank Faculty Position: Department of Visualization/Department of Computer Science and Engineering

The Department of Visualization in the College of Architecture and the Department of Computer Science and Engineering in the College of Engineering at Texas A&M University invite applications for a faculty position at the Associate Professor or Professor level with research and teaching interests aligned with computer graphics and visualization. The expected start date is Fall 2020 with tenure review upon hire. This is a nine-month, full-time, academic appointment with a majority appointment in the Department of Visualization and minority appointment in the Department of Computer Science and Engineering. Candidates should have relevant experience in data visualization, computer

graphics, modeling and simulation, and/or human-computer interaction.

The successful applicants will teach courses at the undergraduate and graduate levels, advise and mentor graduate students, develop an independent, externally funded research program, participate in all aspects of the department's activities, and serve the professional community.

Through effective industrial advisory committees that provide valuable guidance, the department has numerous opportunities for the development of laboratories and sponsorship of applied research activities. By being an integral part of Texas A&M University, with its 19 colleges and schools and 3,950 faculty, there are excellent opportunities for interaction with scholars in other departments and colleges to support large scale initiatives, as well as access to graduate students to assist in instructional and applied research activities.

Applicants must have earned a doctorate in computer science, computer engineering, or a closely related discipline. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs (viz.arch.tamu.edu). Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of three references (including postal addresses, phone numbers and email addresses) by applying for this specific position at the interfolio website: apply.interfolio.com/71823.

Review of applications and interviews will begin in January 15, 2020, and new applications will continue to be considered until the position is filled. For additional information, please contact the search committee chair Dr. Ergun Akleman, ergun.akleman@tamu.edu

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Texas A&M University

Tenure-Track Assistant Professor: Department of Visualization

The Department of Visualization in the College of Architecture, at Texas A&M University, invites applications for a tenure track faculty position at the Assistant Professor level with research and teaching interests aligned with computer graphics and visualization. The expected start date is Fall 2020. This is a nine-month, full-time, academic appointment. Candidates should have relevant experience in computer graphics, data visualization modeling and simulation, artificial intelligence, machine learning, and/or human-computer interaction.

The successful applicants will teach courses at the undergraduate and graduate levels, advise and mentor graduate students, develop an independent, externally funded research program, participate in all aspects of the department's activities, and serve the professional community.

Through effective industrial advisory committees that provide valuable guidance, the department has numerous opportunities for the development of laboratories and sponsorship of applied research activities. By being an integral part of Texas A&M University, with its 19 colleges and schools and 3,950 faculty, there are excellent opportunities for interaction with scholars in other departments and disciplines to support large scale initiatives, as well as access to graduate students to assist in instructional and applied research activities.

A terminal degree (such as Ph.D. or equivalent) in a related field is required. In rare circumstances, candidates with an extraordinary record of accomplishment without a terminal degree will be considered. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs (viz.arch.tamu.edu).

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of three references (including postal addresses, phone numbers and email addresses) by applying for this specific position at the interfolio website: apply.interfolio.com/71821.

Review of applications and interviews will begin in January 15 2020, and new applications will continue to be considered until the position is filled. For additional information, please contact the search committee chair Dr. Ergun Akleman, ergun.akleman@tamu.edu

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Texas A&M University-Corpus Christi

Department of Computing Sciences

Faculty Position Announcement

Texas A&M University-Corpus Christi (TAMU-CC) is a rapidly growing doctoral research university with more than 12,000 students. TAMU-CC, a Minority-Serving Institution and Hispanic-Serving Institution on the cultural border with Latin America, provides a robust campus experience focused on student and faculty success. Located on its own island on the Texas Gulf Coast, the "Island University" was recently recognized as one of the most beautiful coastal campuses in the United States. In 2019, the Carnegie Commission

of Higher Education designated TAMU-CC an R2 Doctoral University – High Research Activity. State-of-the-art classroom and laboratory buildings, support facilities, and recognized faculty strategically position TAMU-CC to achieve its goal of national and international prominence as an emerging research institution as designated in the Texas Higher Education Coordinating Board's Accountability System.

TAMU-CC invites applications for 5 tenure-track positions in the Department of Computing Sciences for Fall 2020. The Department of Computing Sciences prepares students to pursue productive careers and advanced degrees in computer science or geospatial systems engineering. The department is also home to the recently formed Geospatial Computer Science PhD program, which is a first of its kind program, nationally and internationally, that emphasizes the theory of computer science for handling geospatial data and in exploring emerging technologies enabled by geospatial science & engineering.

Faculty hired under this initiative will play an integral role in the development and growth of the Ph.D. program as well as the BS and MS in Computer Science programs. Information about the department is available at <http://csci.tamucc.edu/>. Three of these positions represent a cluster hire in geospatial data science where we are seeking innovative, talented researchers in the areas such as: machine learning, deep learning, data science, spatial simulation and modeling, computer vision and image processing,

geospatial AI and analytics, geospatial software systems and computation. The other two positions will be filled with applicants with a focus in cybersecurity and applications of cybersecurity to Geospatial Computer Science.

For specific details and qualification requirements for each of these two searches or to apply visit the following website, <https://islanderjobs.tamucc.edu>.

The application deadline is December 13, 2019 for the geospatial data science cluster and December 2, 2019 for the cybersecurity focus. All required documents must be provided by the deadline for full consideration.

Texas Tech University

Assistant/Associate/Full Professor

The Department of Computer Science at Texas Tech University invites applications for multiple tenured or tenure-track positions at various ranks starting in Fall 2020. Applicants must have a Ph.D. degree in Computer Science or related fields by the time of appointment. We are looking for outstanding individuals in Quantum Computing information systems and biosensors. However, we welcome applicants in all areas of computer science with track records of research excellence and potential to become leaders in research and education. Associate/Full Professor candidates should demonstrate leadership in building multidisciplinary research teams at the university or national level as well as obtaining external research

funding. Service duties include program-building, as well as commitment to extra-curricular activities. Service to the department, college, and university is expected. A demonstrated and ongoing commitment to serving diverse student populations and first-generation students is highly desirable.

A letter of application, Curriculum Vitae, statement of research, teaching statement, and three letters of reference (five for applications at the rank of professor) should be submitted electronically at <http://www.texastech.edu/careers/> using requisition numbers 18813BR for full professor position, 18819BR associate professor and 18787BR for assistant professor position.

As an Equal Employment Opportunity/Affirmative Action employer, Texas Tech University is dedicated to the goal of building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minorities, women, veterans, persons with disabilities, and dual-career couples. Texas Tech University recently surpassed the Hispanic student population threshold necessary for designation as a Hispanic Serving Institution (HSI).

Should you have questions, please contact: Dr. Yu Zhuang, at cs.search@ttu.edu

Towson University

Five Assistant Professor Positions: Tenure-track and Clinical

Assistant Professor positions in the Department of Computer and Information Sciences beginning August 2020. Ph.D., or comparable terminal degree, in Computer Science or a related field. Positions focus on Computer Science Education, Data Sciences, Distributed Systems, Systems Engineering / Administration and Network Security. Review of applications begins January 2, 2020, and continues until the positions are filled. The Department offers six primary programs including: an ABET-accredited Bachelor of Science degree in Computer Science, and an ABET-accredited cybersecurity program, a Bachelor of Science degree in Information Systems, a Bachelor of Science degree in Information Technology, a Master of Science degree in Computer Science, a Master of Science in Applied Information Technology, and a Doctor of Science degree in Information Technology. The Department of Computer and Information Sciences has approximately 43 full-time faculty members, 7 staff members, collectively over 1,700 undergraduate majors in the Computer Science, Information Systems, and Information Technology programs, and approximately 400 graduate students.

For more information and to apply:
http://bit.ly/tu_cis_faculty

Trinity College

Assistant Professor of Computer Science

Applications are invited for a tenure-track position in computer science at the rank of Assistant Professor to start in the fall of 2020. Candidates must hold a Ph.D. in computer science at the time of appointment. We are seeking candidates with teaching and research interests in applied areas associated with data analytics, such as database and information systems, data mining and knowledge discovery, machine learning, and artificial intelligence, but other related areas will also be seriously considered.

Trinity College is a coeducational, independent, nonsectarian liberal arts college located in, and deeply engaged with, Connecticut's capital city of Hartford. Our approximately 2,200 students come from all socioeconomic, racial, religious, and ethnic backgrounds across the United States, and seventeen percent are international. We emphasize excellence in both teaching and research, and our intimate campus provides an ideal setting for interdisciplinary collaboration. Teaching load is four courses per year for the first two years and five courses per year thereafter, with a one-semester leave every four years. We offer a competitive salary and benefits package, plus a start-up expense fund. For information about the Computer Science Department, visit: <http://www.cs.trincoll.edu/>

Applicants should submit a curriculum vitae and teaching and research

statements and arrange for three letters of reference to be sent to:

<https://trincoll.peopleadmin.com/>

Consideration of applications will begin on December 15, 2019, and continue until the position is filled.

Trinity College is an Equal-Opportunity/Affirmative-Action employer. Women and members of minority groups are encouraged to apply.

Tsinghua University

IIIS Tsinghua Computer Science Faculty Openings

The Institute for Interdisciplinary Information Sciences (IIIS), headed by Turing Award winner Professor Andrew C. Yao, is a well-established academic unit at Tsinghua University, aimed at creating a world-class environment for research and education in computer science and related disciplines. IIIS currently has 28 full-time tenure-track faculty members, and is actively recruiting outstanding scholars to join IIIS in its exciting growth toward excellence.

We invite applications from highly-qualified candidates in areas including (but not limited to) Algorithms, Artificial Intelligence, Machine Learning, Information Security, Financial Technology, and Quantum Information.

Positions at Assistant/Associate/Full Professor levels are available. The remuneration package will be very attractive, driven by market

competitiveness and individual qualifications. Initial appointments are normally made on a fixed-term contract. Subsequent contract renewal, promotion and tenure all follow standard international practices.

Further information about the Institute is available at <http://iis.tsinghua.edu.cn/en> or from the postal address: IIIS Faculty Recruitment, FIT Building, Room 1-208, Tsinghua University, Beijing 100084, PR. China. Please send applications or nominations in the form of an application letter enclosing a current CV to iisrecruit@mail.tsinghua.edu.cn, with the subject line «candidate_name»: IIIS Computer Science Faculty Application».

Tulane University

Department of Computer Science Faculty Positions in Computer Science Starting Fall 2020 New Orleans, LA

Tulane Computer Science is Hiring!

The Tulane Computer Science Department anticipates several tenured or tenure-track hires beginning in Fall 2020. Applications are encouraged from leading researchers who are attracted by the opportunity to join a unique program whose focus is equally on computer science and on its applications to research in related areas. Our current faculty are engaged in collaborative research projects with colleagues in the School of Science and Engineering, as well as with colleagues in the School of Liberal Arts, and with colleagues in the Health Sciences. The department currently

has 7 tenured / tenure stream faculty and two Professors of Practice; we anticipate attaining a critical mass of 12 faculty within the next year, and a stable state of 15 faculty within the following 2 - 3 years.

We are pleased to announce the following openings:

Tenured/Tenure-Track Open Rank Position

The Tulane Computer Science Department invites applications for open rank positions at the tenured or tenure-track level to begin in Fall 2020. We welcome applications from candidates working in artificial intelligence and machine learning and their application to data science. We also welcome applicants working in networking, optimization and cloud computing, and in visualization, HCI, and large data. Candidates at the senior assistant professor level or who are tenured should have an outstanding research record that emphasizes the application of computer science to related areas, have excellent teaching credentials, and have a strong record of attracting research funding on a continued basis. Junior faculty who have postdoctoral experience establishing their research program also are encouraged to apply. Review of applications will begin January 1, 2020, and will continue until the positions are filled.

The Yahoo! Founder Chair

The Tulane Computer Science Department invites applications for the *Yahoo!*

Founder Chair in Computer Science. This pivotal appointment will provide a defining focus for our research activities and our collaborations with colleagues in related disciplines. The successful candidate will provide leadership by enhancing existing research collaborations and establishing new ones both within the computer science department, within the School of Science and Engineering, and across the other Tulane schools and colleges. We encourage applications from senior colleagues whose research is related to data science. The successful candidate will have excellent research credentials nationally and internationally, a record of substantial research funding, experience leading multidisciplinary research projects, and a record of excellent teaching at the undergraduate and PhD levels. Review of applications will begin January 1, 2020, and continue until the position is filled. Potential candidates for this position are encouraged to contact Professor Michael Mislove, chair of the computer science department, at mislove@tulane.edu about their candidacy.

These positions have the potential for a joint appointment with the Florida Institute for Human and Machine Cognition see <http://www.ihmc.us>.

More information about the Tulane Computer Science Department, its faculty, its research areas and undergraduate and graduate programs can be found at <https://sse.tulane.edu/cs>.



Assistant, Associate or Full Professor (Cyber Systems)

The United States Coast Guard Academy has an opening for an Assistant, Associate, or Full Professor (Cyber Systems), AD-1710-00.

Please see our website for a complete job description and application instructions at <https://apptrkr.com/1684147>

Application Instructions

A complete application should include a CV, statements on research and teaching, and at least three letters of recommendation. Applications for these positions will be reviewed starting January 1, 2020; the review and interview process will continue until the positions are filled. These positions are subject to final administrative approval.

Candidates interested in the tenured/tenure-track open rank positions should apply electronically via the following link: <http://apply.interfolio.com/68021>

Candidates interested in the Yahoo! Founder Chair may access the electronic application via the following link: <https://apply.interfolio.com/46655>

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.

United States Military Academy - West Point, NY

*Tenured Track Assistant Professor --
Computer Science - West Point, NY*

West Point's Department Of Electrical Engineering And Computer Science Seeks Candidates For Tenure-Track Assistant Professor Position

The United States Military Academy (West Point) seeks applicants

for a tenure track faculty position in the Department of Electrical Engineering and Computer Science.

Credentials and desired applicant qualities:

Applicants must be US citizens holding a Ph.D. degree in Computer Science, Computer Engineering, Electrical Engineering, Cybersecurity or related field and must be able to teach at all levels - from introductory courses to senior capstone courses in their discipline. Faculty at West Point develop cadets not only in the intellectual domain, but also as "leaders of character" and future Army officers, so the ideal candidate will have a desire to engage with cadets outside the classroom in activities such as academic clubs, character/ethics education, sports, and other mentorship opportunities. Successful candidates will show a clear vision for a research program that will position her/him for promotion to Associate Professor within 6 years; research typically involves cadets, encourages faculty collaboration, and contributes to the ever-growing reputation of the department and the Academy.

About West Point:

West Point, the oldest engineering school in the United States, is a four-year baccalaureate college situated just fifty miles north of New York City in the scenic Hudson River valley. West Point's mission is to educate leaders of character committed to the values of Duty, Honor and Country and devoted to a career of service to the Nation. Each

student (cadet) passes through an intense nomination and appointment process to gain admission. Our acceptance rate is 10%, with the student body consisting of approximately 4,500 cadets. The class of 2023 consists of 1,200 students of which 23% are women, 15% are African Americans, and 12% are Hispanic. West Point is a leader in producing national scholarship winners, and to date has produced 93 Rhodes Scholars, 42 Marshalls Scholars, 31 Fulbright scholars and 39 Hertz scholars. This positions us close to our aspirational schools and ahead of schools such as MIT, Cornell and Duke. Our undergraduate academic program blends the liberal arts with the math and sciences and is consistently ranked highly by U.S. News & World Report, the Princeton Review, Niche and others.

The Department of Electrical Engineering and Computer Science (EECS) is one of the most dynamic and highly regarded departments at West Point and offers ABET accredited majors in Computer Science, Information Technology, and Electrical Engineering. The Department is in the process of developing the curriculum and associated courses necessary for an accredited Cyber Major, to complement its EE, CS and IT programs. In 2019, the department graduated 78 majors, including 9 cadets who earned national scholarships. EECS has state-of-the-art laboratory facilities and also hosts three centers of excellence: (1) the Cyber Research Center; (2) the Robotics Research Center; and (3) the Photonics Research Center. The department's ties to Army Research

Agencies and a unique affiliation with the NSA make it an ideal and unique place to conduct applied research in cyber, photonics, and robotics areas, although faculty research may be within any disciplinary topic desired. EECS is a family-friendly department with values rooted in Trust, Consideration, Expertise, Teamwork, Initiative, Community, Excellence and Balance that make it an ideal place to work, grow and develop.

Applicant Selection Factors and Process:

Previous teaching experience is highly desirable, and an initial track record of research and publications will be integral to the selection process. Applications should highlight any experience in the following areas: cybersecurity, radio frequency electronics, artificial intelligence, and/or machine learning. Salaries are competitive. Complete applications must arrive in electronic form not later than midnight, 15 January 2020. Applications to be considered complete must include: 1) cover letter; 2) curriculum vitae; 3) statement of research plans; 4) statement describing teaching philosophy/experience; 5) official transcripts; and 6) three letters of reference. Interviews will be conducted in late January of 2020 and a selection made by early February of 2020. Anticipated start date will be on or about the 15th of June 2020. Applications and questions may be directed to Dr. James Loy, United States Military Academy, Department of Electrical Engineering and Computer Science, MADN-EC, West Point, New York 10996, james.loy@westpoint.edu

The United States Military Academy is an Equal Opportunity, Affirmative Action Employer. Women and Minorities are encouraged to apply.

Universiteit Utrecht

Assistant Professors in Information and Computing Sciences (Tenure Track 0.8 - 1.0 FTE)

Job description

Due to our successful educational programmes and our ambitions in research, the Department of Information and Computing Sciences is expanding. We are therefore actively searching for three or more motivated and committed female Assistant Professors in Information and Computing Sciences. Please note that the levels of the positions offered will vary, depending on experience and expertise.

You have a background in Computing and Information Sciences, preferably in the areas of Algorithms, Computer Science Education, Process Management and Analytics, Information Science, Artificial Intelligence and possibly in Data Science and Software. Candidates with other areas of expertise related to our current research groups and educational programmes are also invited to apply.

You possess a proven commitment and talent for research. As teaching is an essential part of the work, we are searching for people with a demonstrable motivation to teach. The Department is expanding and provides a dynamic work environment. If you are excited to actively

participate and collaborate in shaping the department, you are very welcome to apply. Our approach is characterized by a connected, open and can-do spirit that stimulates personal initiative and curiosity. You are encouraged to take ownership and create value while sharing your knowledge both internally and across the wider (global) community. Every day we aim to live up to this mission, because we believe it is the only way to make the breakthroughs that will help solve the challenges facing the world. In order to start up your research you will be assisted by a PhD candidate funded by the Department.

Qualifications

We are looking for Assistant Professors who fit well with the following qualifications:

- a PhD in Computer Science, Information Science or another relevant discipline;
- publications with impact, in international conferences and journals;
- experience with or good prospects for acquiring external research funds;
- vision on future research directions in own area of expertise;
- experience with or readiness to supervise PhD projects;
- active role in international scientific communities;
- experience with and enthusiasm for teaching and student supervision;
- ability to teach in departmental BSc and MSc programmes;

- well-developed didactical skills;
- experience with or willingness to use innovative teaching methods and (e-learning) technologies;
- vision on teaching and your own contribution to teaching;
- ability to speak and write English fluently.

The Department finds gender balance specifically and diversity in a broader sense very important. Under European jurisdiction it is permitted to specifically recruit underrepresented groups.

Offer

We offer a position (0.8 - 1.0 FTE) in an international working environment and ultimately meant to be tenured upon good performance. The gross salary - depending on previous qualifications and experience - ranges between €3,255 and €5,656 (scale 10 - 12 according to the Collective Labour Agreement Dutch Universities) per month for a full-time employment. Salaries are supplemented with a holiday bonus of 8% and a year-end bonus of 8.3% per year. In addition, Utrecht University offers excellent secondary conditions, including an attractive retirement scheme, (partly paid) parental leave and flexible employment conditions (multiple choice model). More information about working at Utrecht University can be found here.

Special perks include the assistance of a PhD candidate funded by the Department in order to start up your research, the possibility to develop towards a Basic Teaching Qualification, supported with educational development programmes

offered by the University and the possibility to travel to conferences.

Utrecht is an attractive city located in the heart of the Netherlands, one of the world's most open and connected countries. Utrecht University reflects this philosophy by offering a flexible work/life balance that prioritizes your well-being within an understanding and supportive, international environment.

About the organization

A better future for everyone. This ambition motivates our scientists in executing their leading research and inspiring teaching. At Utrecht University, the various disciplines collaborate intensively towards major societal themes. Our focus is on Dynamics of Youth, Institutions for Open Societies, Life Sciences and Sustainability.

The Faculty of Science consists of six Departments: Biology, Pharmaceutical Sciences, Information and Computing Sciences, Physics and Astronomy, Chemistry and Mathematics. The Faculty is home to 6,000 students and nearly 1,500 staff and is internationally renowned for the quality of its research. The Faculty's academic programmes reflect developments in today's society.

The Department of Information and Computing Sciences is nationally and internationally renowned for its research in Computing Science and Information Science. Current research groups are Algorithmic Data Analysis, Algorithms and Complexity, Decision Support

Systems, Intelligent Systems, Simulation of Complex Systems, Data Intensive Systems, Multimedia, Human-Centered Computing, Geometric Computing, Business Process Management and Analytics, Organization and Information, Natural Language Processing, Intelligent Systems, Visualisation and Graphics, Social and Affective Computing, Software Technology and Software Technology of Learning and Teaching. Relevant areas of interdisciplinary research include Game Research, Foundations of Complex Systems, Applied Data Science, Artificial Intelligence and Integrative Bioinformatics.

The Department has, among others, close collaborations with the University Medical Center, the Departments of Physics and Mathematics, and the Faculties of Humanities and Geosciences. The Department offers Bachelor programmes in Computer Science and Information Science, and four English Research Master programmes in Artificial Intelligence, Business Informatics, Computing Science, and Game and Media Technology. The Department is developing Master programmes in Data Science and Human-Computer Interaction. High enrolment figures and good student ratings make the education very successful. The Department currently comprises 17 Chairs and 113 other scientific staff, including Postdocs and PhD candidates.

Additional information

For more information about this position, please contact Prof Marc van Kreveld

(Research Director) via M.J.vanKreveld@uu.nl or Marloes Reichardt-Buijs, HR Officer of the Department, via M.S.ReichardtBuijs@uu.nl.

Apply

Some connections are fundamental. Are you one of them? We would love to hear from you if you have a broad research background in either of these areas and would like to be part of this stimulating and diverse environment. We are particularly interested in hearing from female scientists worldwide who would like to contribute their skills and curiosity to our inclusive approach to life and work. Applicants are encouraged to mention any personal circumstances that need to be taken into account in their evaluation (maternity or parental leave etc.).

To apply please send your curriculum vitae, including a letter of motivation and the (email) addresses of two references via the **'apply'** button below.

If you prefer a part-time appointment, you are also invited to apply, stating the desired part-time ratio.

Everyone deserves to feel at home at our university. We welcome employees with a wide variety of backgrounds and perspectives.

The application deadline is

01/12/2019

University at Albany SUNY

Faculty Chair Position, Computer Science Department

The College of Engineering and Applied Sciences of the University at Albany SUNY is seeking applicants for a full professor faculty position beginning September 2020 for Chair of the Department of Computer Science. The successful candidate will have an established record of scholarship with demonstrated potential to influence the growth and development of computer science programs at the University at Albany.

Applicants must have a PhD in Computer Science, Computer Engineering, Electrical Engineering, or a closely related discipline.

For a complete job description and application procedures, visit:

<https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=117256>

Questions regarding the position may be addressed to CSChairSearch@albany.edu

For additional information on the College and its departments, please visit:

<http://www.albany.edu/ceas/>

The University at Albany is an EO/AA/IRCA/ADA employer.

University at Albany

Professor of Practice and Lecturer Positions in Computer Science

The Computer Science Department at the University at Albany, SUNY, is seeking a number of full-time Professors of Practice

and Lecturers, to begin Spring 2020 or Fall 2020. Positions are three-year, renewable, 10-month appointments.

The Computer Science Department at University at Albany offers bachelor's and master's degrees, a combined BS/MS, a computer science minor, and a doctoral program that prepares students for research careers as a creative scholar or industrial scientist. Professors of Practice and Lecturers are integral to the Department's teaching mission, which now includes a dual degree program just launched in Computer Science with Chongqing University of Posts and Telecommunications in the beautiful Yangtze River Valley of China. Successful applicants will teach in the program core both at UAlbany and, every second or third semester, at Chongqing – with additional compensation and all expenses covered. Courses at Chongqing may be from 6 to 12 weeks and may be taught entirely in the classroom, entirely online, or in some combination. All instruction in China will be in English and will include substantial TA support. A variety of courses must be covered including, but not limited to, programming and data structures, software engineering, programming languages, compiler design, operating systems, databases, data analytics, discrete math, and related topics. Professors of Practice and Lecturers are expected to commit to excellence in teaching, and to constant review and improvement of the pedagogy they use to engage and support student learning.

Requirements:

For the title of Professor of Practice (Lecturer), a minimum Ph.D. (MS) degree in Computer Science or a related discipline from a college or university accredited by the U.S. Department of Education or an internationally recognized accrediting organization is required. Prior college/university teaching experience is preferred. Responsibilities are predominantly teaching (base three-four teaching load), combined with university and department-level service. Professors of Practice may play an active role in ongoing program and course development.

Applicants must submit the following documents: Curriculum Vitae, cover letter, a statement of teaching philosophy, sample syllabi, and names and contact information for at least three references. Copies of university transcripts showing computer science courses taken are also requested.

Apply online at <https://albany.interviewexchange.com/jobsearchfrm.jsp>

Questions regarding the position may be addressed to CSLecturerSearch@albany.edu

For additional information about the department, please visit <http://www.cs.albany.edu>

The University at Albany is an EO/AA/IRCA/ADA Employer.

University at Buffalo

Assistant Professor of Research

The Department of Computer Science and Engineering (CSE) at University at Buffalo (UB) invites candidates to apply for the position of Research Assistant Professor (in house title Assistant Professor of Research). We are particularly looking for candidates who can operate effectively in a team environment and in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

The successful candidate will be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students at all levels and maintain an active research program. The areas of research expertise is artificial intelligence.

The Department of Computer Science and Engineering is housed in a new \$75 M building. As part of the School of Engineering and Applied Sciences, the department offers both BA and BS degrees in Computer Science, a BS in Computer Engineering, a combined 5-year BS/MS program, a minor in Computer Science, and two joint programs (BA/MBA and Computational Physics), as well as MS and PhD programs.

The department has over 40 tenure-track faculty, 9 teaching faculty and approximately 1,200 undergraduate majors, 550 masters' students and 160 Ph.D. students. About twenty junior faculty have been hired since 2010, and we are

continuing to expand. Two members of our faculty currently hold key university leadership positions, and seven members of our faculty are IEEE and/or ACM Fellows. The department is well known for offering an excellent collaborative and nurturing environment for faculty. Recently, a cohort of five junior faculty received the CAREER awards in 2019, setting a national record.

Candidates must hold a doctorate in computer science, computer engineering or a closely related field. Ph.D. must be conferred prior to appointment.

Please apply online at <http://www.ubjobs.buffalo.edu/postings/21849>

The University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our commitment, welcomes all to apply including veterans and individuals with disabilities.

University of Alabama

Computer Science Faculty Position

The Computer Science Department at the University of Alabama invites applicants to join our faculty at the Assistant Professor rank. We are interested in applicants with expertise in any area of Computer Science who can collaborate with and complement our faculty research. Starting date for the position is Fall 2020. Applicants must have a Ph.D. in Computer Science or a closely related field. Successful applicants are expected to show the ability to construct a quality research program and effective collaboration with other faculty, as well as

the potential for excellent teaching at both the graduate and undergraduate levels.

The Computer Science Department is housed in the College of Engineering and has 24 faculty members (15 tenured/tenure-track faculty), approximately 700 undergraduates, and approximately 70 Ph.D. and M.S. students. The Department is funded by agencies such as NSF, Google, Departments of Education and Commerce, various Defense agencies, multiple State agencies and other sponsors. The University of Alabama currently serves over 38,000 students and employs over 1,700 full and part-time faculty members in thirteen colleges and schools. The Carnegie Foundation has recognized The University of Alabama with its Very High Research Activity status (formerly known as R1 status). More information on The University of Alabama can be found at <http://www.ua.edu>.

The University is located on a beautiful 1,168 acre residential campus in Tuscaloosa, a dynamic and resilient community of over 150,000 in central Alabama. Tuscaloosa is conveniently located between Atlanta, New Orleans, and the white sandy beaches of the Gulf coast. The area offers excellent climate, minimal urban congestion, and abundant outdoor recreation. The Tuscaloosa community provides rich cultural, educational, and athletic activities for a broad range of lifestyles.

Applicants should apply online at <https://facultyjobs.ua.edu/postings/45937>.

Required application documents include: resume/curriculum vitae, cover letter,

and names of three references. Review of applications will begin immediately. The University of Alabama is an equal opportunity/affirmative action employer. For additional information, please contact: Dr. Brandon Dixon, dixon@cs.ua.edu.

University of Alabama at Birmingham

Open Rank

The Department of Computer Science (CS) at the University of Alabama at Birmingham (UAB) is seeking candidates for two tenure-track/tenured faculty positions. While preference is given to candidates at the Assistant Professor rank, highly qualified candidates at Associate Professor and Professor rank will also be considered. For additional information about the Department, please visit: <http://www.cs.uab.edu/>.

Candidates with expertise in all core CS areas are sought, with preference given to candidates who could complement current department strengths in the areas of cybersecurity, data science, high-performance computing, programming languages, and biomedical applications. UAB has made a significant commitment to both research and teaching in Computer Science. Candidates must consequently have strong research and teaching credentials. Experience and success in funded research is desirable for junior-level candidates and required for senior-level candidates. UAB is a Carnegie "Very High Research Activity" University and ranked No. 1 nationally

in the Times Higher Education World University Rankings, 2018 and 2019 Young University Rankings.

The CS Department at UAB offers PhD, MS, BS, and BA programs. The Department has a strong research focus, and a strong commitment to teaching, service, and outreach. The Department recently moved to a brand-new facility at University Hall and the goal is to grow the PhD, MS, and BS significantly over the next several years. Research funding is expanding significantly, and the Department has a leadership role in a Center focusing on Cyber Security and strong collaborations with the UAB Informatics Institute and the UAB Hugh Kaul Precision Medicine Institute. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work.

A Ph.D. in Computer Science or a closely related field is required. Applications should include a curriculum vitae, a list of publications and scholarly achievements, a statement of future research plans, a statement of teaching experience and philosophy, and contact information for at least three professional references. Applications and all other materials should be submitted through UAB's portal at People Admin: <https://uab.peopleadmin.com/postings/5119>

Review of candidates will begin December 16, 2019, and the search will continue until the position is filled.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background investigation is performed on candidates selected for employment.

University of Arizona

Assistant Professor, Computer Science

The Department of Computer Science at the University of Arizona invites applications for a tenure-track position at the Assistant Professor level. We are particularly interested in complementing our current strengths in Natural Language Processing, Machine Learning, Distributed Systems, Security, and Databases. Exceptional candidates in other areas are also encouraged to apply.

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, architecture, bioinformatics, compilers, computational geometry, databases, high performance computing, natural language processing, networks, operating systems, security, vision, and visualization.

Further details and application information are available at <http://uacareers.com/postings/43443>.

The University of Arizona is an Equal Opportunity Employer Minorities/Women/Vets/Disabled. The Department of Computer Science supports the UA's diversity and inclusiveness strategic initiatives designed to create an inclusive environment for all faculty, staff, and students. The candidate is expected to support diversity and inclusiveness efforts in the department and college.

The university is located in Tucson, a valley with desert landscape surrounded by mountain ranges. Tucson boasts a warm climate, 350 sunny days per year, with ample opportunities for outdoor activities such as hiking, mountain biking, horseback riding, caving, and rock climbing. More information about the University and its community is available at whyUA.arizona.edu.

University of Arizona

Lecturer/Senior Lecturer/Principal Lecturer, Computer Science (NTE)

The Department of Computer Science at the University of Arizona is accepting applications from dedicated educators for Lecturer-track faculty positions at all ranks. Teaching faculty are critical to the department's mission and are appointed with the expectation of long-term employment. The typical teaching load is two courses in each of the Fall and Spring semesters, but factors such as class size may reduce that load. Lecturers at all ranks teach both core and elective undergraduate courses, and actively participate in departmental

faculty meetings, decision-making, planning, and service.

The Lecturer teaching track is non-tenure-eligible and offers a well-defined promotion path. Applicants must have an M.S. or higher in Computer Science or a closely-related discipline and will be considered for appointment at the Lecturer, Senior Lecturer, or Principal Lecturer ranks based on experience and evidence of teaching quality and effectiveness.

As of Fall 2019, the Department of Computer Science has 28 faculty members, including four Lecturers, two Senior Lecturers and one Principal Lecturer. The Department has a long history of excellent undergraduate and graduates instruction and research accomplishment with a diverse and enthusiastic student body.

The university is in Tucson, the heart of a metropolitan area of over a million people surrounded by five mountain ranges. Tucson boasts a warm desert climate, 350 sunny days per year, and a wide variety of outdoor activities. More information about the University and its community is available at whyUA.arizona.edu.

For more information & to apply, please visit www.uacareers.com and look for posting F22095 or use this quick link to take you directly to this posting: <http://uacareers.com/postings/41984>

The University of Arizona is an Equal Opportunity Employer Minorities/Women/Vets/Disabled.

Review of applications will continue until the positions are filled. Please

email lecturersearch@cs.arizona.edu if you have questions or need assistance.

University of British Columbia - Okanagan Campus

Irving K. Barber School of Arts and Sciences

Computer Science - Assistant Professor (tenure track) Job ID # 36212

The Department of Computer Science, Mathematics, Physics and Statistics invites applications for a tenure-track position in Computer Science at the rank of Assistant Professor. Preference will be given to candidates specializing in any of the following areas: cloud computing, machine learning, big data and data analytics, cyber security, networking and Internet of Things, or software engineering. For more information, visit our career postings at: <http://www.hr.ubc.ca/careers-postings/faculty.php> (Job Opening ID # 36212)

University of British Columbia - Okanagan Campus

Irving K. Barber School of Arts and Sciences

Data Science - Instructor (tenure track) Job ID # 36277

The Department of Computer Science, Mathematics, Physics, and Statistics, invites applications for a tenure-track educational leadership stream position

in Data Science at the rank of Instructor. The ideal candidate will have a passion for teaching and the ability to teach a wide range of courses in data science and statistics. For more information, visit our career postings at: <http://www.hr.ubc.ca/careers-postings/faculty.php> (Job Opening ID # 36277)

University of British Columbia

*Department of Computer Science
Tenure-Stream Educational Leadership
Faculty Positions*

The University of British Columbia invites applications for two tenure-track faculty teaching positions at the rank of Instructor in the Department of Computer Science at the Vancouver Campus. Both positions are related to data science:

- Undergraduate CS (Data science): This position has a general focus on undergraduate education, with a concentration on supporting the undergraduate Data Science initiatives of the Faculty of Science.
- MDS/CS: This position has a primary focus on contributing to the delivery and further development of the Master of Data Science (MDS) program (<http://masterdatascience.ubc.ca/>)

UBC Computer Science (<https://www.cs.ubc.ca>) ranks among the top departments in North America, with approximately 60 tenure-track faculty, 200 graduate and 2000 undergraduate students.

This position provides the rare opportunity to participate as a first-class colleague in the intellectually exciting atmosphere of a top-tier computer science department, while pursuing a career based on excellence in teaching and educational leadership (as explained on the Teaching and Educational Leadership page of the UBC Center for Teaching, Learning and Technology (<https://ctl.ubc.ca/programs/all-our-programs/teaching-and-educational-leadership/>)). Initial appointment will be at the Instructor rank which is the first rank in UBC's tenure-track Educational Leadership Stream career path, which continues with the tenured Senior Instructor rank, and culminates with the Professor of Teaching rank. This path is analogous to the Research stream faculty progression of tenure-track Assistant Professor, tenured Associate Professor, and Full Professor. Faculty members in the Educational Leadership stream are eligible to apply for Study Leave (sabbatical) under similar terms to faculty members in the Research stream. The anticipated start date for these positions is July 1st, 2020.

The typical teaching load for an Instructor in the Computer Science department is two courses per term, for a total of four courses each year. Instructors for the MDS program (MDS/CS position) have a similar load distributed differently, as MDS modules are four-weeks long, and there is an extensive two-month capstone project at the end of the program. In addition to instruction, MDS Instructors are expected to liaise with capstone project partners and mentor student capstone teams.

A PhD or equivalent in Computer Science, Computer Science Education, or a related area is expected for all positions. The successful candidate must provide evidence of: demonstrated excellence in and commitment to undergraduate teaching, ability to work both collaboratively as well as independently and to supervise the work of others, promise of educational leadership at the national or international level, and potential for creating innovative instructional environments in both the undergraduate classroom and laboratory. Experience in curriculum development, course design, and other initiatives that advance the University's ability to excel in its teaching and learning mandate is also an asset.

Candidates should submit a (1) a cover letter, (2) a CV, (3) a teaching statement, (4) a diversity statement, (5) evidence of teaching effectiveness, and (6) the names of at least three references. The teaching statement should include the applicant's teaching philosophy, and a record of teaching interests and experience. The diversity statement should describe the applicant's experience working with a diverse student body, as well as their past, present, and/or future contributions to creating/advancing a culture of equity and inclusion on campus or within their discipline. The cover letter should state which position(s) they are interested in, and applicants are encouraged to highlight throughout their application qualifications relevant to emerging technologies, pedagogical approaches, and research in teaching and learning.

Candidates are also encouraged to highlight their expertise in Data Science areas such as: Web and Cloud Computing, Databases, Machine Learning, Information Visualization, etc. Additional materials supporting the application are also welcome.

Applications are to be submitted online at <https://apps.cs.ubc.ca/fac-recruit/instr/apply/form.jsp>. The website will remain open for submissions through the end of the day on November 24th, 2019. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the website remains open will be considered.

If you have questions about the application process, please contact the Chair of the Instructor Recruiting Committee by email, at the address below.

Patrice Belleville
Chair, Instructor Recruiting Committee
Department of Computer Science
Email for questions: research-recruiting-chair@cs.ubc.ca

(Do not email applications; applications must be submitted through our website at <https://apps.cs.ubc.ca/fac-recruit/instr/apply/form.jsp>)

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code,

including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of British Columbia - Okanagan Campus

Irving K. Barber School of Arts and Sciences

Mathematics and Statistics – Instructor (tenure track) Job ID # 36276

The Department of Computer Science, Mathematics, Physics and Statistics invites applications for an educational leadership stream tenure-track position in Mathematics and Statistics at the rank of Instructor. For more information, visit our career postings at: <http://www.hr.ubc.ca/careers-postings/faculty.php> (Job Opening ID # 36276)

The University of British Columbia

*Department of Computer Science
Tenure-Stream Faculty Positions*

The Department of Computer Science at the University of British Columbia (Vancouver campus) is inviting applications at least three positions at the rank of Assistant Professor. We invite applications from candidates of outstanding scientific talent in each of

three categories: 1) artificial intelligence or machine learning; 2) systems, including computer architecture, networking and database systems; 3) all other areas of computer science. Appointment at a higher rank will be considered for an applicant of exceptional qualifications.

UBC Computer Science (www.cs.ubc.ca) ranks among the top departments in North America, with a strong record of excellence in research and in graduate and undergraduate teaching. The anticipated start date is July 1, 2020.

A PhD in Computer Science or a related area is required. Applicants must hold a Ph.D. in Computer Science or a related area by the start date and must demonstrate evidence of research success and a high potential to be leaders in their research field. Successful candidates will develop and maintain an internationally-recognized research program and are expected to effectively supervise graduate students, collaborate with other faculty members, obtain external funding, teach computer science courses for undergraduate and graduate students, and actively participate in departmental activities. The potential of an applicant's research program to complement and extend the existing research and teaching strengths of the department will be an important factor in selection.

Interested applicants should submit a CV, a research statement, a teaching statement, and letters from at least three references. The teaching statement should include a record of teaching interests and experience. Applicants should also include a

statement describing your experience working with a diverse student body, as well as your past, present, and/or future contributions to creating/advancing a culture of equity and inclusion on campus or within your discipline. Applications may be submitted online at <https://apps.cs.ubc.ca/fac-recruit/research/apply/form.jsp>.

Review of applications will start on December 15, 2019 and continue until the positions are filled.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

For questions about the application process, contact Jim Little, Chair of Faculty Recruiting, at research-recruiting-chair@cs.ubc.ca

University of California, Irvine

Assistant (tenure-track) or Associate/Full Professor (tenured)

The Department of Electrical Engineering and Computer Science at the University of California, Irvine invites applications for an Assistant (tenure-track) or Associate/Full Professor (tenured) position.

Areas include, but are not limited to, theoretical foundations and algorithms dealing with various aspects of big data broadly interpreted to include networked communication systems, distributed computing, high dimensional statistics, signal processing, scaling laws, data mining, and machine learning for high-performance and scalable computing and communication; applications include, but are not limited to, Internet-of-Things, augmented intelligence, social science, smart cities and other domains.

Applicants are expected to have a doctoral degree, at the time of hire, in Electrical Engineering, Computer Science or a related field from an accredited university. Successful candidates will be innovative leaders that can develop a vigorous externally funded research program, maintain a strong publication record, advise students, and provide outstanding teaching at the undergraduate and graduate levels.

Applications should include a cover letter, a statement of research and teaching interests, a curriculum vitae, list of publications, up to three key publications, a statement describing a commitment

to diversity, and the names and contact information of at least three to five references. For applicants to Associate/Full Professor positions, references will not be contacted until later stages of consideration, in consultation with the candidate.

Applications should be submitted electronically. Instructions may be found at <https://recruit.ap.uci.edu/analyst/recruitments/JPF05773>. Screening will begin immediately upon receipt of a completed application. Applications will be accepted until the position is filled, although maximum consideration will be given to applications received by January 1, 2020.

The University of California, Irvine is part of the premier public university system in the world. UCI is a member of the Association of American Universities (AAU), is ranked as a top ten public university by U.S. News and World Report, and was identified by the New York Times as No. 1 among U.S. universities that do the most for low-income students. UCI is located in Orange County, 4 miles from the Pacific Ocean and 45 miles south of Los Angeles. Irvine is one of the safest communities in the U.S. and offers a very pleasant year-round climate, numerous recreational and cultural opportunities, and one of the highest-ranked public-school systems in the nation.

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin,

disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy. Information about the department is available at: <http://engineering.uci.edu/dept/eecs>

University of California, Irvine

Tenured Position (Associate or Full Professor) in Theory and Applications of Data-Driven Systems

The Department of Electrical Engineering and Computer Science at the University of California, Irvine invites applications for a Tenured Position (Associate or Full Professor).

Areas include, but are not limited to, theoretical foundations and algorithms dealing with various aspects of big data broadly interpreted to include networked communication systems, distributed computing, high dimensional statistics, signal processing, scaling laws, data mining, and machine learning for high-performance and scalable computing and communication; applications include, but are not limited to, Internet-of-Things, augmented intelligence, social science, smart cities and other domains.

Applicants are expected to have a doctoral degree, at the time of hire, in Electrical Engineering, Computer Science or a related field from an accredited university. Successful candidates will be innovative leaders that can develop a vigorous externally funded research program, maintain a strong publication record, advise students, and provide outstanding teaching at the undergraduate and graduate levels.

Applications should include a cover letter, a statement of research and teaching interests, a curriculum vitae, list of publications, up to three key publications, a statement describing commitment to diversity, and the names and contact information of at least three to five references. References will not be contacted until later stages of consideration, in consultation with the candidate.

Applications should be submitted electronically. Instructions may be found at <https://recruit.ap.uci.edu/JPF05773>.

Screening will begin immediately upon receipt of a complete application. Applications will be accepted until the position is filled, although maximum consideration will be given to applications received by December 15, 2019.

The University of California, Irvine is part of the premier public university system in the world. UCI is a member of the Association of American Universities (AAU), is ranked as a top ten public university by U.S. News and World Report, and was identified by the New York Times as No. 1 among U.S. universities that do the most for low-income students. UCI is located in Orange County, 4 miles from the Pacific Ocean and 45 miles south of Los Angeles. Irvine is one of the safest communities in the U.S. and offers a very pleasant year-round climate, numerous recreational and cultural opportunities, and one of the highest-ranked public-school systems in the nation.

The University of California, Irvine is an Equal Opportunity/Affirmative Action

Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

Information about the department is available at: <http://engineering.uci.edu/dept/eecs>

University of California, Merced

Assistant Professor in Computer Science and Engineering

The Department of Computer Science and Engineering at UC Merced seeks applicants for multiple tenure-track positions at the Assistant Professor level beginning in the 2020/2021 academic year. Priority will be given to candidates in the following areas of research:

1. Software Engineering; Programming Languages;
2. Security and Privacy; Cryptography;
3. Distributed Systems; Computer Architectures;
4. Data Science; Artificial Intelligence.

However, exceptional candidates in all areas will be considered. We are particularly interested in attracting academically and culturally diverse candidates, especially those who can contribute to the growing diversity and excellence of the community through their teaching, scholarship, and service.

Complete details and application information can be found at

<https://aprecruit.ucmerced.edu/JPF00902> EEO/AA employer.

University of California, Merced

Assistant Teaching Professor Department of Computer Science and Engineering

The Department of Computer Science and Engineering at UC Merced seeks applicants for a qualified Assistant Teaching Professor to coordinate and teach undergraduate core courses in Computer Science and Engineering in the 2020/21 academic year. The successful candidate will be actively involved in university-wide teaching-related activities and student development programs.

Preferred candidates will: (1) have teaching experience or evidence of the ability to teach, particularly using student-focused or student success centered approaches, (2) be enthusiastic about working with UC Merced's diverse student body, (3) have experience with open source tools and development environments both in Linux and Windows, and (4) show involvement in developing effective and innovative teaching media and infrastructure.

Complete details and application information can be found at <https://aprecruit.ucmerced.edu/JPF00901>

EEO/AA employer.



Assistant Teaching Professor in Data Infrastructure, Database Systems, Distributed Processing, Data Visualization

The University of California, San Diego invites applications from outstanding candidates for a tenure-track teaching faculty position for appointment at the <https://datascience.ucsd.edu/>. The teaching faculty appointment is a tenure-track appointment formally titled as lecturer with a potential security of employment or LPSOE.

We seek applicants in the broad areas of distributed processing systems, database systems, non-structured databases, metadata models and methods and data visualization.

A PhD in Computer Science, Engineering, Math or related discipline is required at the time of appointment.

Successful appointees will have a track record of research accomplishments, excellence in teaching, a commitment to university service and a commitment to support diversity, equity and inclusion at the university. The University of California, San Diego is committed to academic excellence and diversity within the faculty, staff and student body.

Applications must be submitted electronically through AP-Online Recruit website: <https://apptrkr.com/1728508>

For applicants with interest in spousal/partner employment, please see the UC San Diego <http://aps.ucsd.edu/services/pop/index.html> website.

UC San Diego is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to excellence through diversity.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran.

Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter
- Statement of Research (Optional)
- Statement of Teaching
- Statement of Contributions to Diversity - Applicants should summarize their past or potential contributions to diversity. See our <http://facultydiversity.ucsd.edu/recruitment/contributions-to-diversity.html> site for more information.
- Misc / Additional (Optional)

Reference requirements

- 3-5 letters of reference required

To apply, please visit: <https://apptrkr.com/1728508>

University of California - San Diego

Assistant Professor - CSE

The UC San Diego Department of Computer Science and Engineering (CSE) invites applications for multiple tenure-

track faculty positions at the Assistant Professor rank. The department is looking for exceptional candidates in all areas of Computer Science and Engineering.

We are looking for applicants with outstanding research credentials.

UC San Diego



Associate or Full Professor Computational Neuroscientist

The Neurobiology Section of the Division of Biological Sciences and the Halıcıoğlu Data Science Institute (HDSI) at the University of California San Diego jointly invite applications for a faculty position in computational neuroscience at the level of tenured Associate or Full Professor. Individuals who investigate brain dynamics underlying behavior with innovative quantitative, computational, and machine-learning methodologies are particularly encouraged to apply. Successful candidates will be expected to interface with a diverse array of investigators on campus, including experimental neuroscientists who generate large-scale functional datasets.

The Division of Biological Sciences at UCSD is a vibrant center of scientific discovery, innovation, and collaboration. Our large research base spans many areas of biology and has one of the most celebrated graduate programs in the country. We are committed to academic excellence and diversity within the faculty, staff, and student body.

Funded with a \$75M endowment, the mission of HDSI is to explore the scientific foundations for the new field of data science. These foundations include both the principles, methods, and tools that will enable us to understand the nature of digital data, and also the intersections between this new field and existing disciplines of human enquiry. HDSI is a new strategic academic institute tasked with hosting and coordination of Data Science research and education activities. Among HDSI academic programs are Data Science major and minor currently with nearly 600 undergraduate students.

Successful applicants will be expected to teach graduate and undergraduate students with the Division of Biological Sciences and HDSI. All candidates are expected to establish a vigorous program of high-quality federally funded research.

Applicants must possess a Ph.D. in neuroscience, neurobiology, or a related discipline. Candidates who have created or contributed to programs that aim to increase access and success of underrepresented students or faculty in the sciences, or have detailed plans to accomplish such goals are preferred. In addition to excellence and creativity in research and scholarship, successful candidates must also demonstrate a commitment to equity and inclusion in higher education.

Review of applications will begin November 20, 2019 and continue until the position is filled. Applications must be submitted electronically through AP-Online Recruit website: <https://apol-recruit.ucsd.edu/JPF02260>.

Job location

La Jolla, California

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter
- Statement of Research
- Statement of Teaching
- Statement of Contributions to Diversity - Applicants should summarize their past or potential contributions to diversity. See our <http://facultydiversity.ucsd.edu/recruitment/contributions-to-diversity.html> site for more information.
- Misc / Additional (Optional)

Reference requirements

- 5-7 required (contact information only)

To apply, visit <https://apptrkr.com/1675228>

UC San Diego



Assistant Professor Data Science and Computational Neuroscience

The Neurobiology Section of the Division of Biological Sciences and the Halıcıoğlu Data Science Institute (HDSI) at the University of California San Diego jointly invite applications for a faculty position in computational neuroscience at the level of tenure-track Assistant Professor. Individuals who investigate brain dynamics underlying behavior with innovative quantitative, computational, and machine-learning methodologies are particularly encouraged to apply. Successful candidates will be expected to interface with a diverse array of investigators on campus, including experimental neuroscientists who generate large-scale functional datasets.

The Division of Biological Sciences at UCSD is a vibrant center of scientific discovery, innovation, and collaboration. Our large research base spans many areas of biology and has one of the most celebrated graduate programs in the country. We are committed to academic excellence and diversity within the faculty, staff, and student body.

Funded with a \$75M endowment, the mission of HDSI is to explore the scientific foundations for the new field of data science. These foundations include both the principles, methods, and tools that will enable us to understand the nature of digital data, and also the intersections between this new field and existing disciplines of human enquiry. HDSI is a new strategic academic institute tasked with hosting and coordination of Data Science research and education activities. Among HDSI academic programs are Data Science major and minor currently with nearly 600 undergraduate students.

Successful applicants will be expected to teach graduate and undergraduate students with the Division of Biological Sciences and HDSI. All candidates are expected to establish a vigorous program of high-quality federally funded research.

Applicants must possess a Ph.D. in neuroscience, neurobiology, or a related discipline or have the Ph.D. completed by the date of hire. Candidates who have created or contributed to programs that aim to increase access and success of underrepresented students or faculty in the sciences, or have detailed plans to accomplish such goals are preferred. In addition to excellence and creativity in research and scholarship, successful candidates must also demonstrate a commitment to equity and inclusion in higher education.

Review of applications will begin October 31, 2019 and continue until the position is filled.

Applications must be submitted electronically through AP-Online Recruit website:
<https://apptrkr.com/1675200>.

Successful applicants are expected to lead a vigorous research program and will be required to teach university students. We are particularly seeking faculty passionate about working with graduate students and training the next generation of researchers.

A Ph.D. or advancement to candidacy in Computer Science & Engineering or related disciplines is required at the time of application. Salary and rank will be commensurate with qualifications in conformance with University of California policies.

The CSE Department is committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, successful candidates for this position will have potential or demonstrated

contributions to a climate that supports equity, inclusion, and diversity.

We encourage candidates to send applications as soon as possible. Applications received by January 15, 2020, will be given full consideration. However, positions remain open until filled.

For more information and to apply online visit: <https://apol-recruit.ucsd.edu/apply/JPF02337>

EOE, including disability/vets

University of California - San Diego

Associate or Full Teaching Professor

The University of California, San Diego Computer Science and Engineering Department seeks applications for a Teaching Professor at the

Associate or Full level, with tenure (formal title (Senior) Lecturer with Security of Employment). Teaching Professors are faculty members with a stronger emphasis on teaching and scholarly activity related to education than on traditional disciplinary research activities. The normal teaching load for Teaching Professors is two courses per quarter at the undergraduate and/or graduate level.

We seek candidates who have demonstrated that they are strong computer science and engineering educators. Successful candidates must show commitment to educating a broad and diverse group of students and in working to increase the participation and success of students from groups underrepresented in computer science.

An active scholarship program outside the classroom, usually (but not always) related to computer science education is also expected.

Applicants must have a Ph.D. in computer science or a related area at the time of application.

UC San Diego is deeply committed to education and is a leader in undergraduate computer science education at a large scale. More information about the CSE department can be found at <http://www.cse.ucsd.edu/>.

We encourage candidates to send applications as soon as possible. Review of applications will start on February 1 and continue until the position is filled.



Assistant, Associate or Full Professor – Statistics/Biostatistics

The Halicioglu Data Science Institute (HDSI) (<https://hdsi.ucsd.edu/>) and the Mathematics Department in the Division of Physical Sciences (<http://math.ucsd.edu/>) at University of California San Diego invite applications for a cross-campus hire of faculty positions at the rank of Assistant, Associate or Full Professor.

This search is open to all areas of Statistics, Biostatistics, and related fields. All positions are subject to availability of funding. Candidates will be expected to teach university students at both the undergraduate and graduate level. Candidates must have a Ph.D. in Statistics, Biostatistics, or a closely related field prior to their first quarter of teaching, and a recognized program of excellence in both teaching and research. A successful candidate should have a well-articulated plan of contributing to programs that increase the access and success of underrepresented students and faculty in the sciences.

We especially welcome candidates who have already participated in, contributed to, or created such programs, can articulate how this experience helped shape their plan, and who have a commitment to helping shape and expand the University's diversity initiatives (<http://diversity.ucsd.edu/>).

For a list of current postings: <https://apptrkr.com/1740349>

EOE, including disability/vets

UC SANTA BARBARA



Computer Science Assistant Professor

The Department of Computer Science at the University of California, Santa Barbara is continuing a period of strategic growth, with plans for new faculty positions that will add to core strengths, explore new and emerging areas of the field, and leverage opportunities across disciplinary boundaries. Towards this goal, the department invites applications for multiple tenure-track positions, for the 2020-2021 academic year, with an anticipated start date of July 1, 2020. For primary consideration apply by December 5, 2019; however, positions will remain open until filled.

UC Santa Barbara is a premier public research university. The Department of Computer Science is part of the highly ranked College of Engineering, which includes among its faculty three Nobel laureates and 29 members of the National Academy of Engineering. Additional information about the department and our academic programs can be found at <http://www.cs.ucsb.edu>.

We strongly encourage applicants to apply to both open searches. All applications must include a cover letter, curriculum vitae, statement of research, statement of teaching, three to five letters of recommendation, and candidates' three top publications. Additionally, we strongly encourage all applicants to include a statement of contribution to diversity.

Computer Science Assistant Professor Positions JPF01595

We are looking for individuals from all areas of Computer Science who have a track record of excellence, a passion to shape the future of the field, and the potential to become an outstanding leader in research and education. The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service.

PhD in Computer Science or related field at the time of application is preferred. At the minimum, in order to be considered applicants should have completed all requirements for a PhD (or equivalent) in Computer Science or a related field, except the dissertation (or equivalent) at the time of application. PhD degree must be conferred by the time of appointment.

Applicants are encouraged to apply to the Computer Science Assistant Professor Positions (JPF01595) at <https://apptrkr.com/1698442>.

Computer Science Assistant Professor Position JPF01654

We are looking for individuals from areas of Computer Science and Computer Engineering who have a track record of research excellence, a passion to shape the future of the field, and the potential to become an outstanding leader in research and education. Candidates with expertise in innovative computing systems including new computer architectures and designs, distributed computing systems, and dependable and secure computing systems are particularly encouraged to apply. The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service.

PhD in Computer Science, Computer Engineering, Electrical Engineering, or a related field at the time of application is preferred. At the minimum in order to be considered, applicants should have completed all requirements for a PhD (or equivalent) in Computer Science or a related field, except the dissertation (or equivalent) at the time of application. PhD degree must be conferred by the time of appointment.

Applications should be submitted electronically as PDF documents to <https://apptrkr.com/1698729>.

The University of California is an Equal Opportunity/Affirmative Action Employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

To apply, please submit the required application materials at the website: <https://apol-recruit.ucsd.edu/JPF02340>

EOE, including disability/vets

University of California - San Diego

Assistant Professor - Quantum Computation

The Computer Science and Engineering (CSE) Department in the Jacobs School of Engineering (<https://cse.ucsd.edu/>) and The Department of Mathematics within the Division of Physical Sciences at the University of California, San Diego (<http://www.math.ucsd.edu>), are committed to academic excellence and diversity within the faculty, staff and student body and invite applications for a cross-campus hire for a tenure-track faculty position at the rank of Assistant Professor. This search is open to applicants from all areas of computational and/or mathematical aspects of quantum computation, such as the computational complexity of quantum computation, quantum algorithms, ways to establish quantum supremacy, applications of quantum computation in the sciences, quantum error-correction, quantum communication complexity, or similar topics. Candidates will be expected to teach university students at both the undergraduate and graduate level.

Basic Qualifications: Ph.D. in Computer Science, Mathematics, Physics, or a

closely related field, prior to the first quarter of teaching.

Preferred Qualifications: a well-articulated plan of contributing to programs that increase the access and success of underrepresented students and faculty in the sciences. We especially welcome candidates who have already participated in, contributed to, or created such programs and who have a commitment to helping shape and expand the University's diversity initiatives (<http://diversity.ucsd.edu/>).

For more information and to apply online: <https://apol-recruit.ucsd.edu/JPF02292>

AA/EOE

University of California Santa Barbara

Two Tenure-Track Assistant Professor Positions in Computer Engineering

The Electrical and Computer Engineering Department at UCSB invites applications for two tenure-track, assistant professor positions in the field of Computer Engineering with an effective appointment date of July 1, 2020. Please visit <https://recruit.ap.ucsb.edu/JPF01597>.

The Department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service.

The University of California is an Equal Opportunity/Affirmative Action



UNIVERSITY OF CALIFORNIA
SANTA CRUZ



Computer Science and Engineering: Assistant Professor in Computer Security (Initial Review 1/10/20)

Recruitment Period

Open date: October 13th, 2019 **Next review date:** Friday, Jan 10, 2020 at 11:59pm (Pacific Time)
Apply by this date to ensure full consideration by the committee. **Final date:** Tuesday, Jun 30, 2020 at 11:59pm (Pacific Time)
Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Description

The <https://www.soe.ucsc.edu/departments/computer-science-and-engineering> at the University of California, Santa Cruz (UCSC) invites applications for a tenure-track Assistant Professor position. We seek outstanding applicants who have demonstrated research and teaching expertise in computer science and engineering; we are particularly interested in candidates with expertise in the areas of systems and network security, database and storage security, language-based security, offensive security, applied cryptography, and other areas related to computer security. The successful candidate is expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, and perform university, public, and professional service. The successful candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds.

We welcome candidates who understand the barriers facing women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

The Baskin School of Engineering has nationally and internationally known researchers and research groups in many areas, including programming languages, security, distributed systems, networking, data management, storage systems, machine learning, data mining, natural language processing, and AI.

The UC Santa Cruz campus is located approximately 75 miles from San Francisco and 35 miles from the heart of Silicon Valley. The campus comprises two thousand acres of forested hills overlooking the Pacific Ocean and Monterey Bay with one of the most visually spectacular settings in higher education. In 2016-17, the Times Higher Education ranked UC Santa Cruz 4th in research influence.

The UCSC Silicon Valley Campus is located in the heart of Silicon Valley near San Jose, the worldwide epicenter for industry and innovation in games and information technology. The location affords extensive consulting opportunities and avenues for collaborative research with industry. Opened in 2016, the UCSC Silicon Valley Campus features contemporary interior design with multiple classrooms, computer labs, and project rooms, along with an event center and television studio.

ACADEMIC TITLE

Assistant Professor (tenure-track)

SALARY

Commensurate with qualifications and experience; academic year (nine-month basis).

BASIC QUALIFICATIONS

A Ph.D. (or equivalent foreign degree) in Computer Science or other relevant field; a demonstrated record of research and teaching. It is expected that the degree requirements will be completed by July 1, 2020.

POSITION AVAILABLE

July 1, 2020, with the academic year beginning in September 2020. All Ph.D. requirements must be met by June 30, 2021 for employment beyond that date.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT <https://apptrkr.com/1712589>
Please refer to Position # JPF00767-20 in all correspondence.

Reference Requirement

Applications must include confidential letters of recommendation* (a minimum of 3 are required and a maximum of 4 will be accepted). Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

RECRUITMENT PERIOD

Full consideration will be given to applications completed by January 10, 2020. Applications received after this date will be considered only if the position has not been filled.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-3676.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus

If you need accommodation due to a disability, please contact the Academic Personnel Office at <mailto:apo@ucsc.edu> (831) 459-4300.

Visit the Apo Web Site at <http://apo.ucsc.edu>

Our institution is committed to addressing the spousal and partner employment needs of our candidates and employees. As part of this commitment, our institution is a member of the Northern California Higher Education Recruitment Consortium (NorCal HERC). Visit the NorCal HERC website at norcalherc.org to search for open positions within a commutable distance of our institution

Job location

Santa Cruz, CA

Requirements

Document requirements

- Cover Letter - Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum Vitae - Your most recently updated C.V.
- Statement of Research Plans
- Statement of teaching interests and experience
- Statement of Contributions to Diversity, Equity, and Inclusion - Statement addressing past and/or potential contributions to diversity, equity, and inclusion through research, teaching, and/or service.
See guidelines at: <https://apo.ucsc.edu/diversity.html> <https://apo.ucsc.edu/diversity.html>
- Select Publication (1 of 2 required)
- Select Publication (2 of 2 required)
- Select Publication (1 of 1 optional) (Optional)

Reference requirements

- 3-4 letters of reference required



UNIVERSITY OF CALIFORNIA
SANTA CRUZ



Computer Science and Engineering: Assistant Teaching Professor in Electronic Design Automation (EDA) and Hardware (Open until filled; initial review 01/17/2020)

Recruitment Period

Open date: October 25th, 2019 **Next review date:** Friday, Jan 17, 2020 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee. **Final date:** Tuesday, Jun 30, 2020 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Description

The [Department of Computer Science and Engineering] <https://www.soe.ucsc.edu/departments/computer-science-and-engineering> at the University of California, Santa Cruz (UCSC) invites applications for the Assistant Teaching Professor position. The successful candidate is expected to develop and teach courses within the graduate and undergraduate curriculum with a focus in Electronic Design Automation (EDA) and Hardware, advise graduate students in their research areas, maintain an active profile of professional and/or scholarly achievement and activity in the discipline of EDA and Hardware, and perform university, public, and professional service.

The successful candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds. We are interested in candidates who can contribute to the diversity and excellence of the academic community through their teaching. UCSC is the nearest University of California campus to Silicon Valley and has close research ties with the local computer industry.

We welcome candidates who understand the barriers facing women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

The UC Santa Cruz campus is located approximately 75 miles from San Francisco and 35 miles from the heart of Silicon Valley. The campus comprises two thousand acres of forested hills overlooking the Pacific Ocean and Monterey Bay with one of the most visually spectacular settings in higher education. In 2016-17, the Times Higher Education ranked UC Santa Cruz 4th in research influence.

The UCSC Silicon Valley Campus is located in the heart of Silicon Valley near San Jose, the worldwide epicenter for industry and innovation in games and information technology. The location affords extensive consulting opportunities and avenues for collaborative research with industry. Opened in 2016, the UCSC Silicon Valley Campus features contemporary interior design with multiple classrooms, computer labs, and project rooms, along with an event center and television studio.

ACADEMIC TITLE

Assistant Teaching Professor (Lecturer with Potential for Security of Employment)

The Assistant Teaching Professor title confers the rights and responsibilities of membership in the Academic Senate and has the payroll title of "Lecturer with Potential for Security of Employment" (LPSOE). An LPSOE is eligible for promotion to "Security of Employment," which is analogous to tenure.

SALARY

Commensurate with qualifications and experience; academic year (nine-month basis).

BASIC QUALIFICATIONS

Ph.D (or equivalent foreign degree) in Computer Science, Computer Engineering, or Electrical Engineering and demonstrated teaching experience. It is expected that the degree requirement will be completed by 31st of December, 2020.

POSITION AVAILABLE

July 1, 2020, with the academic year beginning in September 2020. Degree requirements must be met by June 30, 2021 for employment beyond that date.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT <https://apptrk.com/1712574>

Please refer to Position # JPF00776-20 in all correspondence.

Reference Requirement

Applications must include confidential letters of recommendation* (a minimum of 2 are required and a maximum of 5 will be accepted). Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

RECRUITMENT PERIOD

Full consideration will be given to applications completed by January 17, 2020. Applications received after this date will be considered only if the position has not been filled.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-3676.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986.

Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus

If you need accommodation due to a disability, please contact the Academic Personnel Office at <mailto:apo@ucsc.edu> (831) 459-4300.

Visit the Apo Web Site at <http://apo.ucsc.edu>

Requirements

Document requirements

- Cover Letter - Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum Vitae - Your most recently updated C.V.
- Statement of teaching Interests
- Statement of professional interests and plans
- Sample syllabi
- Statement of Contributions to Diversity, Equity, and Inclusion - Statement addressing past and/or potential contributions to diversity, equity, and inclusion through research, teaching, and/or service. See guidelines at: <https://apo.ucsc.edu/diversity.html>
- Teaching evaluations (Optional)

Reference requirements

- 2-5 letters of reference required



UNIVERSITY OF CALIFORNIA
SANTA CRUZ



Computer Science and Engineering Department Assistant Professor (Deep Learning)

The Department of Computer Science and Engineering (<https://www.soe.ucsc.edu/departments/computer-science-and-engineering>) at the University of California, Santa Cruz (UCSC) invites applications for a tenure-track Assistant Professor position. We seek candidates with a strong research record in computer science and engineering; we are particularly interested in candidates with expertise in machine learning and deep learning, as well as broadly related fields, such as artificial intelligence, natural language processing, vision, and data science. We also welcome applications from researchers who apply results from machine learning and deep learning to other fields of computer science.

The Department of Computer Science and Engineering is part of the Baskin School of Engineering at UC Santa Cruz. Our school has nationally and internationally known researchers in many areas, including theoretical computer science, programming languages, security, distributed systems, storage systems, computer architectures, machine learning, natural language processing, AI, data science, vision, and networking. The Baskin School of Engineering is also home to the Statistics and the Applied Mathematics departments, contributing to the richness of research ranging from data science to the statistical foundations of machine learning. Nestled in a redwood forest above the city of Santa Cruz, our beautiful campus has a long history of embracing groundbreaking interdisciplinary work. Our proximity to Silicon Valley, and our satellite campus there, afford opportunities and avenues for collaboration with researchers working in the many research and development labs in Silicon Valley, as well as with the other San Francisco Bay Area universities.

The successful candidate is expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, perform university, public and professional service, and interact broadly with the large number of researchers in Silicon Valley industrial research and advanced development labs. The successful candidate should be able to work with students, faculty, and staff from a wide range of social and cultural backgrounds, genders, and sexual orientations. A demonstrated interest in advancing the cause of diversity, equity, and inclusion is a requirement for the position.

UC Santa Cruz values diversity, equity, and inclusion and is committed to hiring faculty who share these values. To be considered, candidates must demonstrate an understanding of the barriers facing women and underrepresented minorities, and describe their experience and future plans to promote equity and inclusion in teaching, mentoring, and research. Financial and in-kind resources will be made available to faculty who promote equity and inclusion at UC Santa Cruz, and their work will be recognized as important university service during the faculty promotion process.

The UC Santa Cruz campus is located approximately 75 miles from San Francisco and 35 miles from the heart of Silicon Valley. The campus comprises two thousand acres of forested hills overlooking the Pacific Ocean and Monterey Bay with one of the most visually spectacular settings in higher education. In 2016-17, the Times Higher Education ranked UC Santa Cruz 4th in research influence.

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ACADEMIC TITLE

Assistant Professor

SALARY

Commensurate with qualifications and experience; academic year (nine-month basis)

BASIC QUALIFICATIONS

A Ph.D. or equivalent foreign degree in Computer Science or a relevant field; a demonstrated record of research. It is expected that the degree requirements will be completed by July 1, 2020.

POSITION AVAILABLE

July 1, 2020, with the academic year beginning in September 2020. All Ph.D. requirements must be completed by June 30, 2021 for employment beyond that date.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT <https://apptrkr.com/1669981>

Please refer to Position # JPF00769-20 in all correspondence.

Required Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum vitae
- Statement addressing contributions to diversity equity, and inclusion through research teaching and/or service (required). See guidelines at <https://apo.ucsc.edu/diversity.html>
Initial screening of candidates will be based on statements of contributions to diversity, equity, and inclusion.
- Statement of research plans
- Statement of teaching interests and experience
- 3-4 selected publications
- 3 confidential letters of recommendation*

Reference Requirement

Applications must include three confidential letters of recommendation*. Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

RECRUITMENT PERIOD

Full consideration will be given to applications completed by January 7th, 2020. Applications received after this date will be considered only if the position has not been filled.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-3676.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.ucscs.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus

If you need accommodation due to a disability, please contact the Academic Personnel Office at apo@ucsc.edu (831) 459-4300.

Visit the Apo Web Site at <http://apo.ucsc.edu>

Our institution is committed to addressing the spousal and partner employment needs of our candidates and employees. As part of this commitment, our institution is a member of the Northern California Higher Education Recruitment Consortium (NorCal HERC). Visit the NorCal HERC website at norcalherc.org to search for open positions within a commutable distance of our institution

Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

University of Central Arkansas

Assistant Professor of Cybersecurity

The Department of Computer Science at the University of Central Arkansas is seeking exceptional candidates for a tenure-track Assistant Professor position in Cybersecurity beginning in August 2020. Currently, the department has 15 full-time faculty members and offers BS programs in Computer Science (accredited by ABET CAC), Computer Engineering, and Cybersecurity as well as an MS program in Computer Science.

A doctorate in Computer Science, Computer Engineering, Electrical Engineering, or a related discipline with a focus on Cybersecurity is required by the start date of the position, but ABD candidates will also be considered. Preference will be given to candidates with expertise in applications of Artificial Intelligence, Machine Learning, or Data Mining in Cybersecurity. Duties include teaching at both the undergraduate and graduate levels, research, and professional service.

Applicants should submit a cover letter, a curriculum vitae, statements of teaching and research, and the names of at least

three references via <https://jobs.uca.edu/postings/6311>. Review of applications will begin on January 9, 2020, and will continue until the position is filled. For questions, contact the department chair at ecelebi@uca.edu. Additional information about the department is available at <https://uca.edu/computerscience>. UCA is an EO/AA Employer.

University of Central Florida

Multiple Tenure-track or Tenured Positions in Computer Science

The University of Central Florida (UCF) is recruiting for several tenure-track or tenured positions in the department of Computer Science (CS) and several faculty clusters with possible positions in CS. All positions start on August 8, 2020.

Ideal candidates will have a strong research background and be on an upward leadership trajectory. They will have research impact, as reflected in high-quality publications and the ability to build a well-funded research program. Minimum qualifications include a Ph.D., terminal degree, or foreign degree equivalent in an area appropriate to the department, from an accredited institution at the time of the appointment, and a record of high impact research, demonstrated by a strong scholarly and/or funding record. Tenure requires a commensurate record of teaching, research and service. Candidates must apply online at the appropriate link.

The positions available each have more detail available at the corresponding application which also has more information on that position: a) An assistant professor in Cyber Security and Privacy <https://jobs.ucf.edu/en-us/job/498186/assistant-professor-computer-science>; b) An assistant professor in the Cyber Security and Privacy cluster (the Cyber Security and Privacy cluster) (<https://jobs.ucf.edu/en-us/job/498145/assistant-professor-cyber-security-and-privacy>); c) An assistant or associate professor in the Learning Sciences cluster (<https://jobs.ucf.edu/en-us/job/498136/assistant-or-associate-professor-learning-sciences>); d) An assistant or associate professor in the Disability, Aging, and Technology cluster in the area of Human Technology Interaction (<https://jobs.ucf.edu/en-us/job/498165/associate-professor-or-professor-humantechnology-interaction>); e) An associate professor or professor in the Disability, Aging, and Technology Cluster (<https://jobs.ucf.edu/en-us/job/498165/associate-professor-or-professor-humantechnology-interaction>); f) An assistant professor in Computer Vision (<https://jobs.ucf.edu/cw/en-us/job/498207?ApplicationSubSourceID=11250>); g) An instructor or lecturer in Computer Science or Information Technology (<https://jobs.ucf.edu/en-us/job/498183/instructor-or-lecturer-computer-science-and-information-technology>).

Position (a) and (b) seek applicants at the intersection of Cybersecurity/Privacy and at least one of Computer Architecture, Compiler/Code Generation, and System (OS, file, storage, networked).

CS at UCF is home to the first CS Ph.D. program in Florida. Its 34 tenured and tenure-track faculty are engaged in world-class research in HCI, Computer Vision, AI and Machine Learning, Virtual Reality, Cyber Security and Privacy, Computer Architecture/System, and many other areas. The department has both CS and IT undergraduate degrees accredited by ABET, and MS degrees in CS, Digital Forensics, and Data Analytics, and a Ph.D. in CS, see www.cs.ucf.edu.

UCF is one of the nation's largest universities. An economic engine, UCF attracts and supports vital industry to Orlando. UCF's is at the center of the Florida High Tech Corridor, where industries include software, defense, space, simulation & training, and entertainment. Next to UCF is a thriving research park that conducts over \$2 billion in funded research. UCF is a neighbor to large corporations such as Disney, Harris Corporation, Lockheed Martin, Siemens, Oracle, Apple, AMD, and many others. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location. Orlando has one of the fastest growing and dynamic economy in the nation. In 2018, Orlando metro area had the fifth largest increase in population. Learn more about UCF at www.ucf.edu/faculty.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and

members of traditionally underrepresented populations. UCF's Equal Opportunity Statement can be viewed at: www.oie.ucf.edu/documents/PresidentsStatement.pdf. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

The University of Chicago

Instructional Professor - Assistant/Associate/Full

The Department of Computer Science in the Physical Sciences Division at the University of Chicago invites applications for teaching positions at the ranks of Assistant Instructional Professor, Associate Instructional Professor, and Full Instructional Professor. The Assistant Instructional Professor is a two-year position, the Associate Instructional Professor is a three-year position, and the Full Instructional Professor is a five-year position. All positions have the possibility of renewal. The responsibilities of these positions are teaching two courses per quarter in the fall, winter and spring quarters, and ongoing professional development. The relationship between these positions and the University is governed by a Service Employees International Union Collective Bargaining Agreement.

The University of Chicago is in the midst of an ambitious, multi-year effort to significantly expand its computing and data science activities including a newly-

opened, state-of-the-art home for the Department of Computer Science.

An advanced degree in Computer Science or a related field is required (a Ph.D. is preferred). Candidates who are qualified to teach undergraduate courses in one or more of the following areas are preferred: introduction to programming, data science, machine learning, systems, or theory.

For the Assistant Instructional Professor positions, prior college teaching experience, either as an instructor of record or as a teaching assistant, is preferred.

For the Associate Instructional Professor positions, candidates must have been the instructor of record in at least 1800 units of undergraduate and/or graduate course offerings in Computer Science or a related field over the span of at least six calendar years. 1800 units is typically equivalent to 18 quarter-long course offerings, or 12 semester-long course offerings. See <https://registrar.uchicago.edu/records/transcripts/transcript-key/credit-conversion-chart-equivalencies/> for equivalencies between teaching units and semester/quarter hours.

For the Full Instructional Professor positions, candidates must have been the instructor of record in at least 3000 units of undergraduate and/or graduate course offerings in Computer Science or a related field over the span of at least ten calendar years. 3000 units is typically equivalent to 30 quarter-long

course offerings, or 20 semester-long course offerings. See <https://registrar.uchicago.edu/records/transcripts/transcript-key/credit-conversion-chart-equivalencies/> for equivalencies between teaching units and semester/quarter hours.

Applications must be submitted online through the University of Chicago's Academic Jobs website:

Assistant Instructional Professor:

<http://apply.interfolio.com/71162>

Associate Instructional Professor:

<http://apply.interfolio.com/71534>

Full Instructional Professor:

<http://apply.interfolio.com/71536>

Review of applications will begin on January 2, 2020 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae, including a list of publications;
- description of teaching philosophy and experience;
- at least three teaching evaluations from at least two distinct classes (for Associate Instructional Professor and Full Instructional Professor positions);
- applicants are required to request at least three confidential letters of recommendation via Interfolio.

The teaching statement must include a list of courses that the candidate is qualified to teach.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination (https://www.uchicago.edu/about/non-discrimination_statement/).

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-1032 or email equalopportunity@uchicago.edu with their request.

University of Chicago

Assistant Professor/Associate Professor/Professor, Data Science

The **University of Chicago** invites applications for tenure-track faculty positions at the rank of Assistant Professor, and tenured faculty positions at the ranks of Associate Professor and Professor in the area of **Data Science**. The University of Chicago is initiating an ambitious plan for research and education in Data Science including new academic programs at the undergraduate and graduate levels and new cross-disciplinary research programs. The initiative is a collaboration among the Department of Computer Science, the Department of Statistics, and other units

on campus. The search is open with respect to subfield, but we encourage applications from researchers focused on developing the theory and practice of Data Science as an emerging field. Appointments may be made in either department, jointly between Statistics and Computer Science, or jointly with another department in the University.

Members of the faculty are expected to lead research programs that will produce significant contributions to a field, and teach and mentor at the undergraduate and graduate levels. The Data Science initiative focuses on research that advances fundamental theories at the intersection of data science, artificial intelligence, and computing in the context of real world and domain specific problems.

The Departments of Computer Science (cs.uchicago.edu) and Statistics (stat.uchicago.edu) are home to a diverse community of researchers focused on advancing the foundations of statistics and computing, and driving their most advanced applications. The larger data science community at the University of Chicago includes the Center for Data and Applied Computing, the Toyota Technological Institute at Chicago (TTIC), the Polsky Center for Entrepreneurship and Innovation, the Mansueto Institute for Urban Innovation and Argonne National Laboratory.

Completion of all requirements for a Ph.D. in Computer Science, Statistics, or a related field is required at the time of appointment. Candidates for Associate

Professor and Professor positions must have evidence of leadership in their field and successful independent research.

Applications must be submitted online through the University of Chicago's Academic Jobs website:

Assistant Professor:
<http://apply.interfolio.com/69499>

Associate Professor:
<http://apply.interfolio.com/69503>

Professor:
<http://apply.interfolio.com/69505>

Review of applications will begin on November 15, 2019 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae including a list of publications;
- statement describing past and current research accomplishments and outlining future research plans;
- description of teaching philosophy and experience;
- applicants are required to request at least three confidential letters of recommendation via Interfolio.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic

information, or other protected classes under the law. For additional information please see the University's [Notice of Nondiscrimination](#).

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-1032 or email equalopportunity@uchicago.edu with their request.

University of Chicago

Assistant Professor/Associate Professor/Professor, Computer Science

The Department of Computer Science in the Physical Sciences Division at the University of Chicago invites applications for tenure-track faculty positions at the rank of Assistant Professor, and tenured faculty positions at the ranks of Associate Professor and Professor. The search is open with respect to subfield, but we encourage applications from investigators in AI/Machine Learning, Natural Language Processing, Robotics, Human-Computer Interaction, Quantum Computing, and Security.

Members of the faculty in our department are expected to lead research programs that will produce significant contributions to a field, and teach and mentor at the undergraduate and graduate levels.

The Department of Computer Science (cs.uchicago.edu) is the hub of a large, diverse community of researchers focused on advancing the foundations of computing and driving its most advanced applications. We encourage connections

with researchers across the university in such areas as bioinformatics, mathematics, molecular engineering, natural language processing, statistics, public policy, and social science, among others: the University's culture is highly collaborative.

The University of Chicago is in the midst of an ambitious, multi-year effort to significantly expand its computing and data science activities including a newly-opened, state-of-the-art home for the Department of Computer Science.

Completion of all requirements for a Ph.D. in Computer Science or a related field is required at the time of appointment. Candidates for Associate Professor and Professor positions must have evidence of leadership in their field and successful independent research.

Applications must be submitted online through the University of Chicago's Academic Jobs website, which uses Interfolio:

Assistant Professor
[\[apply.interfolio.com/68378\]](http://apply.interfolio.com/68378)

Associate Professor
[\[apply.interfolio.com/68387\]](http://apply.interfolio.com/68387)

Professor [\[apply.interfolio.com/68391\]](http://apply.interfolio.com/68391)

Review of applications will begin on November 1, 2019 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae including a list of publications;

- statement describing past and current research accomplishments and outlining future research plans;
- description of teaching philosophy and experience;
- applicants are required to request at least three confidential letters of recommendation via Interfolio.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's [Notice of Nondiscrimination](#).

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-1032 or email equalopportunity@uchicago.edu with their request.

University of Cincinnati

Assistant/Associate Professor Educators

(Title/Rank Commensurate with Experience)

Program of Electrical Engineering - Department of Electrical Engineering and Computer Science

The Program of Electrical Engineering within the College of Engineering and Applied Science (CEAS) at the University

of Cincinnati (UC) invites applications for multiple non-tenure track positions at the level of an Assistant/Associate Professor Educator to support its educational mission. The primary responsibility will be teaching selected electrical engineering undergraduate courses (and graduate-level courses as needed) to CEAS students at UC and in China. All courses will be taught in English and will include, but not be limited to the following courses: (1) Programming; (2) Embedded Systems; (3) Semiconductor Physics and Devices; (4) Engineering Electromagnetics; and (5) Electronics and Signals and Systems. It is required for these positions to teach one semester (about four months) per academic year at a collaborative Chinese university, including but not limited to the Joint Co-op Institute (JCI) at Chongqing University (CQU) in Chongqing, China. JCI is a joint

venture between UC and Chongqing University in Chongqing, China.

Please use the link below to gather additional information and materials required for consideration. <https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=38759&company=UCPROD&username=>

Additional Information: This search will remain open until the position is filled. Desired start date is **08/15/2020**.

University of Colorado Colorado Springs

Assistant Professor - Computer Science

The Department of Computer Science (CS) at the University of Colorado Colorado Springs (UCCS) invites applications for a tenure-track, assistant professor position in Cybersecurity.



University of Colorado
Anschutz Medical Campus

CLINICAL TEACHING TRACK ASSISTANT PROFESSOR OR INSTRUCTOR COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering at the University of Colorado Denver invites applications for multiple non-tenure track faculty positions at the level of Instructor, Senior Instructor or Assistant Professor (open rank), Clinical Teaching Track. These positions will be responsible for developing courses for the new Bachelor of Arts in Computer Science to grow the curriculum.

For full details and to apply, visit <https://cu.taleo.net/careersection/2/jobdetail.fti?job=17460&lang=en>

The University of Colorado Denver | Anschutz Medical Campus is committed to recruiting and supporting a diverse student body, faculty and administrative staff. The university strives to promote a culture of inclusiveness, respect, communication and understanding. We encourage applications from women, ethnic minorities, persons with disabilities and all veterans. The University of Colorado is committed to diversity and equality in education and employment.

For further information about UCCS and details about the position and the application process, please visit us at <https://cu.taleo.net/careersection/jobdetail.ftl?job=17305&lang=en>

University of Colorado Denver

Tenure-Track Faculty

The Department of Computer Science and Engineering in the College of Engineering, Design and Computing at the University of Colorado Denver invites applications for a tenure-track faculty position at the rank of Assistant Professor. This position will be expected to develop and teach lecture and laboratory courses at all levels; establish an active, externally-funded research program; conduct high quality research involving students at all levels, leading to sponsored research and refereed publications; and advise students. A Ph.D. in Computer Science or a closely related field is required. The search is open to all fields in computer science, but we encourage applications in cybersecurity, AI, robotics, cloud computing, mobile computing, HCI, and software engineering. Appointments at the Assistant, Associate, or Full Professor ranks are possible. For appointments at the rank of Associate Professor or Professor, a substantial nationally recognized record of research, publication, teaching, and service meeting criteria for a tenured faculty position at the University of Colorado will be required. Salary is commensurate with skills and experience.

To view the complete posting and to apply online, visit [CU Careers](#)

Questions should be directed to CSE.search@ucdenver.edu. Formal review of applications will begin January 1, 2020, and will continue until the position is filled.

University of Colorado - Computer Science and Engineering

College of Engineering, Design and Computing

Open Rank Faculty Position

The Department of Computer Science and Engineering at the University of Colorado Denver invites applications for an open rank faculty position and is especially interested in applications from women and underrepresented minorities with teaching and research interests in biomedical engineering and health technology. This position is part of a strategic initiative to grow research and education in health technologies and systems across the college. The successful applicant will be expected to build an impactful research program through a new bioengineering research and innovation center that will launch this year with a physical home on the Anschutz Medical Campus. The successful candidate will be expected to develop a competitive extramurally-sponsored research program as well as collaborations across both the Downtown campus and Anschutz Medical Campus. Teaching at both the undergraduate and graduate level is expected. A

Ph.D. in Computer Science, Mechanical Engineering, Bioengineering, Chemical Engineering, or a closely related field is required, as well as demonstrated expertise in biomedical engineering or health technology systems as evidenced by the candidate's publication and funding record. The search is open to all fields in computer science toward biomedical and health applications, but we encourage applications from investigators in AI/ Machine Learning. Salary is commensurate with skills and experience.

To view the complete posting and to apply online, visit CU Careers (add this link: <https://cu.taleo.net/careersection/2/moresearch.ftl?lang=en>) refer to requisition ID: 17530. Please do not submit any application material via email or in hard copy. Questions should be directed to Professor Min Choi, min.choi@ucdenver.edu. Formal review of applications will begin November 1, 2019, and will continue until the position is filled.

University of Colorado

Director of Cybersecurity Programs

The University of Colorado Colorado Springs (UCCS) has a job opening for a Director of Cybersecurity Programs. For further information about UCCS and details about the position and the application process, please visit us at <https://cu.taleo.net/careersection/jobdetail.ftl?job=17172&lang=en>

University of Copenhagen

*Department of Computer Science
Faculty of Science*

The position is open from 1 June 2020 or as soon as possible thereafter.

The Algorithms and Complexity Section at DIKU is headed by Professor Mikkel Thorup. The group is prolific at the topmost conferences like SODA, STOC, and FOCS, e.g., with 6 papers accepted for SODA'20. Adding to the excitement, we have the center Basic Algorithms Research Copenhagen (BARC) which also involves the IT University of Copenhagen. The aim is to attract top talent from around the world to an ambitious, creative, collaborative, and fun environment. Using the power of mathematics, we strive to create fundamental breakthroughs in algorithmic thinking. While the focus of BARC is algorithms theory, we do have a track record of surprising algorithmic discoveries leading to major industrial applications.

Read more about the Department at <http://www.science.ku.dk/english/about-the-faculty/organisation/>.

Please find the full job advertisement at <http://employment.ku.dk/>.

Application deadline

5 January 2020

Only electronic applications are accepted.

University of Dayton

Assistant/Associate Professor Positions (2)

Are you seeking to engage in research and education that supports the common good? Are you looking for a university that will enable your commitment to educating the next generation? Are you excited about the opportunity to create and test experiential learning strategies? Are you committed to the growing participation of women and underrepresented minorities in computer science? If so, the University of Dayton Department of Computer Science is interested in you and encourages your application for two tenure-track faculty positions at the assistant/associate professor level to start August 16, 2020. Applicants must have completed all course work needed for a Ph.D. in computer science or closely related field, have a potential for quality teaching, be committed to excellence in undergraduate and graduate education with a focus on research, and have the potential for scholarly research in AI, VR, deep learning, or autonomous systems. In addition to the above requirements, appointment at the rank of associate professor requires a Ph.D. in hand at the time of application, and a record of teaching, research, and service commensurate with the criteria for promotion to the rank of Associate Professor in the Department of Computer Science and College of Arts & Sciences at the University of Dayton.

For more information about the position with a complete list of qualifications, as

well as how to apply, please see: <http://employment.udayton.edu/cw/en-us/job/497602/assistant-or-associate-professor-computer-science-2-positions>.

The Department of Computer Science offers Bachelor and Master Degrees in Computer Science, and also a certificate in Autonomous Systems and Data Science. In addition, the Department has approval at the University and State level to offer a Ph.D. degree in Computer Science starting Fall 2020. Interested candidates should submit a cover letter, curriculum vitae, unofficial undergraduate and graduate transcripts, and a statement addressing teaching philosophy (including active and experiential learning) and a statement addressing research plans. If you do not currently have a Ph.D., a letter from your academic advisor discussing your current progress towards graduation and three letters of recommendation will be required at a later date. The position(s) will remain open until January 1, 2020.

The University of Dayton is a top tier, Catholic research university with offerings from the undergraduate to the doctoral levels. Founded in 1850 by the Society of Mary, the University is a diverse community committed to advancing the common good through intellectual curiosity, academic rigor, community engagement and local, national and global partnerships. Guided by the Marianist educational philosophy, we educate the whole person and link learning and scholarship with leadership and service. Informed by its Catholic and Marianist mission, the University is committed to the principles of diversity,

equity, and inclusion. Informed by this commitment, we seek to increase diversity, achieve equitable outcomes, and model inclusion across our campus community. As an Affirmative Action and Equal Opportunity Employer, we will not discriminate against minorities, women, protected veterans, individuals with disabilities, or on the basis of race, color, national origin, religion, sex, sexual orientation or gender identity. The University is also pleased to provide support for spouses of prospective and newly hired faculty through its dual career program. While we cannot guarantee placement, we serve as an effective resource and support system for your spouse.

Information can be found at http://www.udayton.edu/hr/employee_resources/dual_career_resources.php

University of Delaware

Assistant/Associate Professor Positions in Disaster Science

The University of Delaware (UD) (<http://www.udel.edu/>) invites applications from talented scholars pursuing interesting questions related to disasters, hazards, risk, and crisis. We are looking to fill multiple tenure-track/tenured positions in Disaster Science at the Assistant or Associate Professor. Faculty will have a tenure-track/tenured home in either Computer Information Sciences or Civil and Environmental Engineering at the University of Delaware and join, as core faculty, the

world-renowned Disaster Research Center (DRC). Please visit <http://www.udel.edu/006165> for a full-length description of the position and to apply. Review of applications will continue until the positions are filled.

The University of Delaware is an Equal Opportunity Employer with diversity as one of its core values and, in that spirit, seeks a broad spectrum of candidates including women, those from historically underrepresented groups and people with disabilities. The University's Notice of Non-Discrimination can be viewed at www.udel.edu/aboutus/legalnotices.html.

University of Delaware

Department of Computer and Information Sciences

Tenure-track Assistant Professors

Applications are invited for tenure-track assistant professors in the areas of Cybersecurity, Human-Computer Interaction, Machine Learning, and Computer Vision. Applicants should hold a Ph.D. or its equivalent. We encourage all ambitious, innovative individuals, who have demonstrated excellence in research and drive to become leaders in their fields while engaging in high-quality teaching and mentoring of diverse students, to apply.

New faculty will have ample opportunities to join the many university initiatives, including the Data Science Institute (dsi.udel.edu), Cybersecurity Initiative (csi.udel.edu), and those supported by

Delaware Biotechnology Institute (www.dbi.udel.edu), Center for Bioinformatics & Computational Biology (bioinformatics.udel.edu), Institute for Financial Services Analytics (www.lerner.udel.edu/centers/ifsa), and Health Sciences at the 272-acre STAR campus (chs.udel.edu/star/). The Department is vibrant and growing, currently with 23 tenure-track, 7 teaching, and 5 research faculty members, about 130 graduate students and 530 undergraduate students.

The University is a Land-Grant, Sea-Grant, and Space-Grant institution, and its beautiful 100-acre central campus is located halfway between Washington, DC and New York City, and about one hour away from Baltimore and Philadelphia.

Please visit <https://careers.udel.edu/en-us/job/494439/> to apply. Review of applications will begin on November 15, 2019.

University of Edinburgh

Multiple faculty positions in Computer Systems

The School of Informatics at the University of Edinburgh has multiple faculty positions in the broad area of Systems. Priority areas include, but are not limited to:

- Data Centric Systems
- Systems and Hardware Security
- Compilers and Runtime Systems

The School is one of the largest computer science departments in all of Europe, with more than 130 faculty and a total of around 650 post-doctoral researchers

and PhD students. The School features prominently in international rankings of computer science departments and was rated highest on Research Power in UK in the most recent Research Excellence Framework. The School has strong links with industry, with a dedicated business incubator space and well-established enterprise and business development programs. Appointments for these positions will be held within the School's Institute for Computing Systems Architecture (ICSA), which focuses on all aspects of systems including architecture, networking, compilers, systems software, applied databases and security.

Closing date: 03 February 2020

For more information and to apply, visit <https://www.ed.ac.uk/informatics/about/work-with-us/vacancies/academic-recruitment/vacancies-icsa>

The University of Edinburgh

School of Informatics

Multiple faculty positions in Computer Systems at the University of Edinburgh

The School of Informatics at the University of Edinburgh has multiple faculty positions in the broad area of Systems. Priority areas include, but are not limited to:

- Data Centric Systems
- Systems and Hardware Security
- Compilers and Runtime Systems

The School is one of the largest computer science departments in all of Europe,

with more than 130 faculty and a total of around 650 post-doctoral researchers and PhD students. The School features prominently in international rankings of computer science departments and was rated highest on Research Power in UK in the most recent Research Excellence Framework. The School has strong links with industry, with a dedicated business incubator space and well-established enterprise and business development programs. Appointments for these positions will be held within the School's Institute for Computing Systems Architecture (ICSA), which focuses on all aspects of systems including architecture, networking, compilers, systems software, applied databases and security.

Closing date: 03 February 2020

For more information and to apply, visit <https://www.ed.ac.uk/informatics/about/work-with-us/vacancies/academic-recruitment/vacancies-icsa>

University of Florida

Assistant, Associate, or Full Professor

The Department of Computer & Information Science & Engineering (CISE) in the Herbert Wertheim College of Engineering (HWCOE) at the University of Florida invites applications for multiple nine-month academic, tenure-track positions at the rank of Assistant, Associate, or Full Professor with interests in research and teaching in all areas of computer and information science and engineering; areas of particular interest include **Artificial**

Intelligence and Machine Learning, Data Science, Cybersecurity and Programming Languages, and Quantum Computing.

The University of Florida is the flagship campus of the State of Florida university system and is ranked as the #7 best public US university according to US News and World Report. The Department of CISE in the HWCOE is a vibrant, multidisciplinary highly-collaborative environment, consistently ranked among the top departments for both graduate and undergraduate programs. It offers BA, BS, MS, and PhD degrees in Computer Science and Computer Engineering, with an enrollment of 2,440 undergraduate students and 668 graduate students of which 148 are PhD students. The CISE department currently has 55 faculty. Collectively, the list of achievements and awards received by the faculty include one Fulbright Scholar; 17 NSF CAREER Award winners; six IEEE Fellows; three ACM Fellows; three AAAS Fellows; one IEEE Computer Society Taylor L. Booth Education Award; one IEEE Computer Society W. Wallace-McDowell Award; and one ACM Karl Karlstrom Outstanding Educator Award. The Department's external research expenditures were over \$8.8 million last year, an increase of over 60% over the past five years. Research is central to the success of the program, and new faculty will be expected to initiate and sustain strong sponsored research and graduate training programs.

The successful candidate is expected to have a doctoral degree in computer and information science and engineering or

a related field is required at the time of hiring. In addition, the candidate should have a record of successful proposal writing, mentoring, and classroom teaching of undergraduate and graduate students.

The search is expected to be open and will continue to receive applications until the positions are filled. Application review will begin December 2, 2019. We anticipate at least two positions will initially be filled, with possible additional ones. Provide a letter of interest, detailed curriculum vitae, a teaching summary, and long-term goals, along with the names and email addresses of three or more references. Selected candidates will be required to provide an official transcript to the hiring department upon hire. A transcript will not be considered "official" if a designation of "Issued to Student" is visible. Degrees earned from an educational institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES). If an accommodation due to a disability is needed to apply for this position, please call 352-392-2477 or the Florida Relay System at 800-955-8771 (TDD). Hiring is contingent upon eligibility to work in the US. Searches are conducted in accordance with Florida's Sunshine Law.

Apply for this position at <https://dossier.interfolio.com/apply/54332>.

The University of Georgia

Lecturer Position in Artificial Intelligence/ Cognitive Science

The Institute for Artificial Intelligence at the University of Georgia invites applications for a full-time Lecturer position starting August 2020. Responsibilities include supporting our growing A.B. in Cognitive Science and M.S. in Artificial Intelligence degree programs by teaching courses at the undergraduate and combined undergraduate/graduate levels. The position is not tenure-track, but the Lecturer will be a valued member of our faculty and will be encouraged to propose/teach a course within the lecturer's area of specialization. Candidates should hold a Ph.D. in Artificial Intelligence, Cognitive Science, Computer Science, or a related field. Credentials should reflect a strong commitment to education.

The Institute for Artificial Intelligence is an interdisciplinary research and instructional unit within the Franklin College of Arts and Sciences. AI and Cognitive Science are inherently interdisciplinary, and this is reflected in the mission and composition of the Institute. Our Faculty Fellows come from 12 different departments across 5 colleges at UGA, including the Departments of Computer Science, Philosophy, Linguistics, and Psychology, and the Colleges of Public Health and Engineering.

UGA is an EEO/AA/M/F/Vet/Disability Employer. For the full job announcement, please see www.ai.uga.edu/lecturer. To

apply, please go to www.ugajobsearch.com/postings/126694. Review of candidates will begin November 13, 2019.

University of Georgia

Assistant Professor with emphasis on Natural Language Processing

The Department of Computer Science at the University of Georgia invites applications for a tenure-track assistant professor position, starting August 2020. This position will complement and further strengthen our department's research and education efforts in Natural Language Processing and offers a competitive salary and generous startup package.

Applicants should hold a Ph.D. in Computer Science or related field.

The ideal candidate for this position will have a strong research background in Natural Language Processing, and be committed to excellence in both research and teaching.

Computer Science is a growing and congenial department of 35 faculty within the Franklin College of Arts and Sciences. The department has more than 1,150 undergraduate and more than 200 graduate students and offers the B.S., M.S., and Ph.D. degrees in CS. The teaching load allows for substantial concentration on research. In addition to the areas in which we are recruiting, our faculty cover a broad range of research interests, including algorithms, artificial intelligence, bioinformatics, brain imaging and mapping, computer security, computational science and high-

performance computing, computer vision, data privacy, data science, distributed and real-time systems, machine learning, parallel and distributed computing, robotics, simulation, and semantic web. Please see <http://www.cs.uga.edu> for more information about the department and the university.

The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students and sustaining a work and learning environment that is inclusive. Women, minorities, protected veterans and individuals with a disability are encouraged to apply. The University of Georgia is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation, or protected veteran status. Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact Central HR (hrweb@uga.edu). Please do not contact the department or search committee with such requests.

The University of Georgia (UGA), a land-grant and sea-grant university with statewide commitments and responsibilities is the state's oldest, most comprehensive and most diversified institution of higher education (<http://www.uga.edu>). UGA is currently ranked among the top 20 public universities in U.S. News & World Report. The University's main

campus is located in Athens, approximately 65 miles northeast of Atlanta, with extended campuses in Atlanta, Griffin, Gwinnett, and Tifton. UGA was founded in 1785 by the Georgia General Assembly as the first state-chartered University in the country. UGA employs approximately 2,348 full-time faculty and more than 8,980 full-time staff. The University's enrollment exceeds 37,500 students including over 28,800 undergraduates and over 8,700 graduate and professional students. Academic programs reside in 17 schools and colleges, as well as a medical partnership with Augusta University housed on the UGA Health Sciences Campus in Athens.

To apply, please go to <http://www.ugajobsearch.com/postings/121338>. Please upload a cover letter, curriculum vitae, and short statements of research interests and teaching philosophy. Please provide contact information (email and telephone number) for three references. Review of applications will begin on November 13, 2019 and will continue until the position is filled.

University of Illinois at Chicago

Clinical Track Teaching Faculty - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking full-time teaching faculty. The Clinical teaching track is a long-term career track that starts with the Clinical Assistant Professor position, and offers opportunities for advancement to

Clinical Associate Professor and Clinical Full Professor. Applicants should have a PhD in Computer Science or closely related field, and candidates interested in Computer Science Education research are especially encouraged to apply. Candidates would be working alongside 15 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching. Candidates must provide evidence of effective teaching and present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/systems, web development, data science, software engineering, and machine learning. The standard teaching load is 1-3 undergraduate courses per semester (depending on course enrollment).

The University of Illinois at Chicago (UIC) is one of the top-ten most diverse universities in the US (US News and World Report), a top-ten best value (Wall Street Journal and Times Higher Education) and an hispanic serving institution. UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include a PhD in Computer Science or a closely related field, and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at <https://jobs.uic.edu/>. In the online application include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

For fullest consideration, please apply by October 15, 2019. We will continue to accept and review applications until the positions are filled.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Lecturer Non-Tenure Track - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking full-time teaching faculty members. The Lecturer teaching track is a long-term career track that starts with the Lecturer position and offers opportunities for advancement to Senior Lecturer. Candidates would be working alongside 15 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/systems, web development, data science, software engineering, and machine learning. The standard teaching load is 1-3 undergraduate courses per semester (depending on course enrollment).

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one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include an MS in Computer Science or a closely related field or appropriate graduate degrees for specific course material (e.g., computer ethics), and either (a) demonstrated evidence of effective teaching or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at <https://jobs.uic.edu/>. The online application includes a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

For fullest consideration, please apply by October 15, 2019. We will continue to accept and review applications until the positions are filled.

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University of Illinois at Chicago

Computer Science - Multiple Tenure Track Positions

Located in the heart of Chicago, the UIC CS department is conducting two faculty searches this year for multiple tenure track faculty at all ranks. One is searching broadly within the area of human-centered computing that encompasses human-computer interaction, user interfaces, social computing, computer-supported collaborative work, as well as visual, ubiquitous and pervasive computing. The other is searching for applicants from all areas of computer science. All candidates must have a Ph.D. in Computer Science or a closely related field by the appointment's starting date. Candidates will be expected to demonstrate excellence in research and to teach effectively at the undergraduate and graduate levels.

Applications must be submitted at <https://jobs.uic.edu/> and must include a curriculum vitae, teaching and research statements, and names and addresses of at least three references. Links to a professional website such as Google Scholar or ResearchGate are recommended. Applicants may contact the faculty search committee search@cs.uic.edu for more information. For fullest consideration, applications must be submitted by November 30, 2019. Applications will be accepted until the positions are filled.

The Department of Computer Science at UIC, which will be hiring between 15 and

30 new faculty in the next 5 years, has 40 tenure-system faculty, 4 research faculty with strong and broad research agendas, and 16 clinical/teaching faculty. The department is committed to building a diverse faculty preeminent in its missions of research, teaching, and service to the community. Candidates who have experience engaging with a diverse range of faculty, staff, and students, and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

UIC is a major public research university (Carnegie RI) with about 2,800 faculty and over 33,000 students. UIC is committed to increasing access to education, employment, programs and services for all. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply. UIC is committed to supporting the success of dual-career couples.

Chicago epitomizes the modern, livable, vibrant, and diverse city. World-class amenities like the lakefront, arts and culture venues, festivals, and two international airports make Chicago a singularly enjoyable place to live. Yet the cost of living, whether in an 88th-floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is remarkably affordable.

The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of

employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

College of Liberal Arts and Sciences

Department of Mathematics, Statistics, and Computer Science

The Department of Mathematics, Statistics, and Computer Science (MSCS) has active research programs in a broad spectrum of centrally important areas of pure mathematics, computational and applied mathematics, mathematical computer science, probability and statistics, and mathematics education. See <https://mcs.uic.edu/> for more information.

The MSCS Department seeks applicants for an Assistant Professor to join the Mathematical Computer Science group. Applicants working in the areas of theoretical computer science and mathematical computing are especially encouraged. Applicants must have a Ph.D. or equivalent degree in mathematics, computer science or a related field, an outstanding research record, and evidence of strong teaching ability. The salary is negotiable. The position is effective August 16, 2020. Final authorization of the position is subject to the availability of funding.

Applicants should provide a vita, research and teaching statements, and at least three (3) letters of recommendation

including one that addresses teaching. Applications should be submitted through mathjobs.org. No applications will be accepted by surface mail or e-mail. To ensure full consideration, application materials must be received by January 13, 2020, but applications will be accepted through February 10, 2020.

The University of Illinois at Chicago is a Minority Serving Institution, an HSI, and an AANAPISI. UIC is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We strongly encourage applications from women, minorities, individuals with disabilities and covered veterans. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

College of Liberal Arts and Sciences

Department of Mathematics, Statistics, and Computer Science

*Research Assistant Professor,
Foundations of Data Science position*

Applications are invited for the following position, effective August 16, 2020. Final authorization of the position is subject to the availability of funding.

Research Assistant Professor in the Foundations of Data Science. This is a non-

tenure track position, normally renewable annually to a maximum of three years. This position has been established as part of interdisciplinary activities under UIC's TRIPDS grant in the foundations of data science: <https://tripods.uic.edu/>. Faculty members involved with the granted span of three departments:

- Mathematics, Statistics, and Computer Science, <https://mscs.uic.edu/>
- Computer Science, <https://cs.uic.edu/>
- Electrical and Computer Engineering, <https://ece.uic.edu/>

This position carries a teaching responsibility of one course per year and the expectation that the incumbent plays a significant role in research across the three departments involved. Applicants must show evidence of outstanding research in the foundations of data science within mathematics, theoretical computer science, probability, statistics, information theory, electrical engineering, or a related field. Applicants should expect to have a Ph.D. or equivalent degree by the start date.

While the position will be hosted in the Department of Mathematics, Statistics, and Computer Science, the incumbent may be mentored by faculty in any of the three departments and will be expected to interact with faculty, postdocs, and graduate students across the three departments.

Applicants should provide a vita, research statement, and at least three (3) letters of recommendation. Applications should be submitted through mathjobs.org.

No applications will be accepted by surface mail or e-mail. To ensure full consideration, application materials must be received by December 31, 2019, but applications will be accepted through January 24, 2020.

The University of Illinois at Chicago is a Minority Serving Institution, an HSI, and an AANAPISI. UIC is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We strongly encourage applications from women, minorities, individuals with disabilities and covered veterans. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois Springfield

*Tenure Track Assistant Professor of
Computer Science (Two Positions)*

The Computer Science Department at the University of Illinois Springfield (UIS) invites applications for two Assistant Professor, tenure track positions to begin August, 2020. The UIS Computer Science Department offers innovative programs in software engineering, information systems security, and data analytics. The department has been designated a National Center for Academic Excellence in Cyber Defense Education, and prides itself

on its small class sizes and distinguished faculty dedicated to research and teaching. Applicants, especially early career, are invited. Salary is competitive and commensurate with qualifications. This is a full-time on-campus position. UIS tenure-system faculty are expected to be available and engaged in the campus community, with assigned professional responsibilities for teaching, scholarship, and service.

Located in the state capital, the University of Illinois Springfield is one of three members of the University of Illinois system. The University serves approximately 5,000 students in 22 graduate and 30 undergraduate programs. The academic curriculum offers students a strong liberal arts core, a wide range of professional programs, and close faculty interaction. Making the most of its location in the state capital, UIS is broadly engaged in public policy and service. Its diverse student body includes traditional, non-traditional, and international students. Twenty-five percent of majors are in 17 undergraduate and graduate online degree programs and the campus has received several national awards for its implementation of online learning. UIS faculty are committed teachers, active scholars, and professionals in service to society. You are encouraged to visit the university web page at <http://www.uis.edu> and the department web page at <http://csc.uis.edu>.

Duties:

The position involves on-campus and online development and delivery of

graduate and undergraduate computer science courses, a productive research program, service, and engaging students in research.

Qualifications:

A Ph.D. in Computer Science or closely related field is required (candidates who have completed all course work and have successfully defended the dissertation will be considered if such documentation is provided). Areas of desired specialty include computer security, artificial intelligence, data science, software engineering, algorithms, computer games, and internet of things; however, all areas will be considered.

Applications must be submitted online at <https://jobs.uis.edu/job-board>. Applicants should navigate to the Faculty category and Computer Science position. To apply, click the **"Apply for Position"** button below, create a profile, complete the online application, and upload a cover letter, curriculum vita, and contact information for three professional references. Letters of reference and transcripts may be requested at a later date. Review of applications will begin on January 5, 2020, and continue until the positions have been filled or the search is terminated. Only those applicants who complete the online application and upload all required materials by January 5, 2020, will be considered. To maintain the integrity and confidentiality of the search, applicants are asked to upload their own materials.

UIS is an affirmative action/equal opportunity employer with a strong institutional commitment to recruitment

and retention of a diverse and inclusive campus community. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Urbana-Champaign

Faculty Positions - Open Rank - Electrical and Computer Engineering

The Department of Electrical and Computer Engineering at the University of Illinois at Urbana-Champaign (ECE ILLINOIS) invites applications for full-time faculty positions. Senior and mid-career faculty are encouraged to apply but all qualified candidates will be considered at all levels and in all areas of electrical and computer engineering, broadly defined, with particular emphasis in the areas of Computational and Physical Aspects of Electronics and Electromagnetics; Power and Energy Systems; Quantum Information Science; Bioacoustics and Bioimaging; Circuits - System on a Chip; AI/Autonomous Systems; Robotics; Machine Vision; Embedded Computing Systems and the Internet of Things; Data-Centric Computer Systems and Storage; Networked and Distributed Computing Systems. Applications are encouraged from candidates whose degrees and research programs are in

core as well as broad interdisciplinary areas of electrical and computer engineering. Ideal candidates include those who demonstrate evidence of a commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors.

Of particular interest is quantum information science, including quantum computing, quantum communication, quantum sensing, and the development of novel hardware and architectures for quantum information processing. This position is part of a \$15M investment in the new Illinois Quantum Information Science and Technology (IQUIST) center, which also includes multiple hires in Physics, Computer Science, and Mathematics.

Applicants for all positions at the assistant professor level must have an earned Ph.D. or equivalent degree, excellent academic credentials, and an outstanding ability to teach effectively at both the graduate and undergraduate levels. Successful candidates will be expected to initiate and carry out independent research and to perform academic duties associated with our B.S., M.S., and Ph.D. programs.

Qualified senior candidates may also be considered for tenured Associate and Professor positions as part of the Grainger Engineering Breakthroughs Initiative (GEBI), which is backed by a \$100-million gift from the Grainger Foundation.

ECE ILLINOIS is in a period of intense demand and growth, serving over 3000 students and averaging 7 new tenure-

track faculty hires per year in recent years. Faculty in the department carry out research in a broad spectrum of areas and are supported by world-class interdisciplinary research facilities, including the Coordinated Science Laboratory, the Information Trust Institute, the Parallel Computing Institute, the Nick Holonyak Jr. Micro and Nanotechnology Laboratory, the Beckman Institute for Advanced Science and Technology, the Carl R. Woese Institute for Genomic Biology, as well as several industrial centers and programs that foster international collaborations. The ECE Department also supports and encourages faculty involvement with the Nation's first engineering-based College of Medicine that has opened on campus. The plans are to facilitate transition from engineering breakthroughs into translational medical practices. The department has one of the very top programs in the world, granting approximately 450 B.S. degrees, 100 M.S. degrees, 80 M.Eng. degrees, and 75 Ph.D. degrees annually. ECE ILLINOIS is housed in its new 235,000 sq. ft. building designed to set a new standard in energy efficiency which is a major campus addition with minimal carbon footprint.

In order to ensure full consideration by the Search Committee, applications must be received by December 1, 2019. Applications will be reviewed until suitable candidates are identified. Interviews and offers may take place before the deadline but all applications received by the deadline would receive full consideration. Salary will be commensurate with qualifications. Preferred starting date is August 16,

2020, but is negotiable. Applications can be submitted by going to <http://jobs.illinois.edu> and uploading a cover letter, CV, research statement, teaching statement, and statement on commitment to diversity, along with names of three references. The statement on diversity should address past and /or potential contributions to diversity, equity, and inclusion through research, teaching, and/or service. For inquiry, please call 217-333-2302 or email ece-recruiting@illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. For more information, visit <http://go.illinois.edu/EEO>. To learn more about the University's commitment to diversity, please visit <https://engineering.illinois.edu/about/diversity.html>.

We have an active and successful dual-career partner placement program and a strong commitment to work-life balance and family-friendly programs for faculty and staff (<http://provost.illinois.edu/faculty-affairs/work-life-balance/>).

University of Illinois at Urbana-Champaign

Open Rank Faculty

The School of Information Sciences (iSchool) seeks to hire multiple outstanding full-time faculty members to join our dynamic and collegial School.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. For more information, visit <http://go.illinois.edu/EO>.

Although strong candidates in any area are encouraged to apply, specializations of particular interest include: **Data curation, Explainable AI, Digital Humanities, Information, or Technology & Society.**

Appointments made under this announcement will be effective August 16, 2020. The full job announcement can be found at <https://jobs.illinois.edu/academic-job-board/job-details?jobID=123389>. For further information regarding application procedures, please contact Lori Kelso at lkelso@illinois.edu.

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University of Illinois at Urbana-Champaign

The Grainger College of Engineering: Professor (Open Rank) - Computer Science

The Department of Computer Science at the University of Illinois at Urbana-Champaign invites applications for multiple tenure-track faculty positions at all levels (Assistant Professor, Associate Professor, Full Professor). These are full-time appointments. We encourage applications in all areas of Computer Science, including areas that are interdisciplinary.

Applicants are required to have (or expected to receive) a Ph.D. or equivalent degree in Computer Science or a related field. Additional qualifications include the ability to teach effectively at both the graduate and undergraduate levels and the potential to initiate and carry out independent research. Ideal candidates include those who demonstrate commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors. Qualified senior candidates may also be considered for tenured Associate Professor and Full Professor positions as part of the Grainger Engineering Breakthroughs Initiative. Such areas include, but are not limited to, bioengineering, big data, quantum information, robotics and machine learning. More information about the Grainger Initiative can be found at <https://grainger.illinois.edu/research/grainger-breakthroughs>.

A full description of this position announcement can be found at <http://cs.illinois.edu/faculty-positions>.

Application review and interviewing will begin immediately. All applications received before December 1, 2019 will receive full consideration. Applications can be submitted by going to <http://jobs.illinois.edu>. Applicants who desire confidentiality should explicitly mention this in the first paragraph of their cover letter. For inquiry, please call 217-333-3426 or email HR@cs.illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

Illinois is an EEO Employer/Vet/Disabled
<http://go.illinois.edu/EO>.

University of Illinois at Urbana-Champaign

The Grainger College of Engineering: Teaching Faculty (Open Rank) - Computer Science

The Department of Computer Science (CS) at the University of Illinois at Urbana-Champaign invites applications for multiple teaching faculty positions at all levels and in all areas of computer science. We seek highly qualified applicants with a strong commitment to excellence in teaching and the ability to teach at all levels. These are 100% non-tenure-track appointments.

Applicants for Instructor positions must have at least a B.S. (M.S. preferred) in CS or a closely related field; applicants for Lecturer or for Teaching Professor positions (all ranks) must have a Ph.D. or equivalent degree in CS or a closely related field. Competitive applicants will show the promise of excellence in classroom teaching and will demonstrate strong CS and teaching knowledge, as well as demonstrate evidence of a commitment to diversity, equity, and inclusion. Many faculty also engage in outreach and service activities. Teaching Professors are expected to have a deep interest in improving pedagogy beyond the CS department, and may take on leadership roles on campus and contribute to best practices and/or education research in the discipline.

A full description of this position announcement can be found at <http://cs.illinois.edu/faculty-positions>

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University of Illinois at Urbana-Champaign

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core as well as broad interdisciplinary areas of electrical and computer engineering. Ideal candidates include those who demonstrate evidence of a commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors.

Of particular interest is quantum information science, including quantum computing, quantum communication, quantum sensing, and the development of novel hardware and architectures for quantum information processing. This position is part of a \$15M investment in the new Illinois Quantum Information Science and Technology (IQUIST) center, which also includes multiple hires in Physics, Computer Science, and Mathematics.

Applicants for all positions at the assistant professor level must have an earned Ph.D. or equivalent degree, excellent academic credentials, and an outstanding ability to teach effectively at both the graduate and undergraduate levels. Successful candidates will be expected to initiate and carry out independent research and to perform academic duties associated with our B.S., M.S., and Ph.D. programs.

Qualified senior candidates may also be considered for tenured Associate and Professor positions as part of the Grainger Engineering Breakthroughs Initiative (GEBI), which is backed by a \$100-million gift from the Grainger Foundation.

ECE ILLINOIS is in a period of intense demand and growth, serving over 3000 students and averaging 7 new tenure-

track faculty hires per year in recent years. Faculty in the department carry out research in a broad spectrum of areas and are supported by world-class interdisciplinary research facilities, including the Coordinated Science Laboratory, the Information Trust Institute, the Parallel Computing Institute, the Nick Holonyak Jr. Micro and Nanotechnology Laboratory, the Beckman Institute for Advanced Science and Technology, the Carl R. Woese Institute for Genomic Biology, as well as several industrial centers and programs that foster international collaborations. The ECE Department also supports and encourages faculty involvement with the Nation's first engineering-based College of Medicine that has opened on campus. The plans are to facilitate transition from engineering breakthroughs into translational medical practices. The department has one of the very top programs in the world, granting approximately 450 B.S. degrees, 100 M.S. degrees, 80 M.Eng. degrees, and 75 Ph.D. degrees annually. ECE ILLINOIS is housed in its new 235,000 sq. ft. building designed to set a new standard in energy efficiency which is a major campus addition with minimal carbon footprint.

In order to ensure full consideration by the Search Committee, applications must be received by January 1, 2020. Applications will be reviewed until suitable candidates are identified. Interviews and offers may take place before the deadline but all applications received by the deadline would receive full consideration. Salary will be commensurate with qualifications. Preferred starting date

is August 16, 2020, but is negotiable. Applications can be submitted by going to <http://jobs.illinois.edu> and uploading a cover letter, CV, research statement, teaching statement, and statement on commitment to diversity, along with names of three references. The statement on diversity should address past and /or potential contributions to diversity, equity, and inclusion through research, teaching, and/or service. For inquiry, please call 217-333-2302 or email ece-recruiting@illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. For more information, visit <http://go.illinois.edu/EEO>. To learn more about the University's commitment to diversity, please visit <https://engineering.illinois.edu/about/diversity.html>.

We have an active and successful dual-career partner placement program and a strong commitment to work-life balance and family-friendly programs for faculty and staff (<http://provost.illinois.edu/faculty-affairs/work-life-balance/>).

University of Iowa

Assistant Professor / Lecturer / Visitors

The University of Iowa Computer Science Department invites applications for multiple tenure-track, instructional,

and visiting positions effective August 2020. Tenure-track positions are at the Assistant Professor level, although more senior appointments may be considered. Instructional, visiting, and postdoctoral positions may also be available.

We seek creative and collaborative scholars from all areas of Computer Science who are open to working in a highly collegial and multidisciplinary environment. We are particularly interested in candidates who align with our current research portfolio, which includes: (i) algorithms and theory; (ii) artificial intelligence, machine learning, natural language processing, text analytics, and their applications; (iii) computational epidemiology and healthcare applications; (iv) computer science education and pedagogy; (v) human-computer interaction, accessibility, and virtual or augmented reality; (vi) mobile, embedded, real-time, and IoT systems; (vii) network design, measurement, and applications; (viii) programming languages, formal methods, and compilers; and (ix) security, privacy, and anonymity. Candidates must hold a Ph.D. in computer science or a closely related discipline at the time of appointment. For tenure-track positions, successful candidates must demonstrate the potential for research and teaching excellence and must align with our current research areas. Prior record of scholarly publication in leading venues and prior teaching experience are desirable. Appointments at a higher rank may also be possible. Responsibilities include conducting cutting-edge research in the candidate's area of expertise, teaching undergraduate and graduate courses,

supervising graduate student research, and making service and outreach contributions to the Department, the College, the University, and the discipline.

We also seek instructional and visiting faculty with interests from across the spectrum of computer science. Candidates must hold a Ph.D. in computer science or a closely related discipline at the time of appointment. Successful candidates must demonstrate the potential for teaching excellence. For visitors, a prior record of scholarly publications in leading venues and prior teaching experience are desirable. For appointment as Lecturer, prior teaching experience is required; appointments at a higher rank may also be possible. Responsibilities include contributing to the Department's multidimensional educational mission, teaching undergraduate and graduate courses, and making service and outreach contributions to the Department, the College, the University, and the discipline.

Postdoctoral research positions may be available in several of the Department's many externally funded research groups.

For complete information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Tenure- and instructional-track faculty applications received by January 15, 2020, are assured of full consideration; visiting and postdoctoral applicants will be considered on a rolling basis.

The Department of Computer Science and the College of Liberal Arts and Sciences are strongly committed to diversity; the strategic plans of the University

and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity / affirmative action employer.

University of Kansas

Assistant Professor Positions in Computer Science and Computer Engineering

The University of Kansas (KU) Department of Electrical Engineering and Computer Science seeks individuals for three tenure-track positions in the disciplines of computer engineering and computer science. Candidates are expected to contribute to the development of academic programs and contribute to the research community. Applicants are expected to have an earned doctorate, or equivalent in electrical engineering, computer science, computer engineering, or related fields at the time of appointment. The successful candidate must be eligible to work in the U.S. by the time of appointment. Applicants pursuing research in areas that are synergistic with departmental strengths are preferred. The following positions are open at the assistant professor (tenure-track) level, with experience in:

Computer Engineering (two positions)—Applicants across all areas of computer engineering are encouraged to apply, especially in digital hardware design, embedded systems, and emerging computer architectures. Applicants are sought who apply their expertise to both core and emerging applications of computer engineering, including but not limited to: hardware security, reliability, and assurance; GPUs and accelerators; cyber-physical systems and internet of things; robotics; bio-inspired and neuromorphic computing; and high-performance hardware. (<http://www.employment.ku.edu/academic/15766BR>)

Computer Science (one position)—Applicants focusing on the transforming of data into knowledge via machine learning are encouraged to apply. Expertise of interest ranges from classification to deep learning and neural networks, software/hardware implementation of machine learning algorithms, optimization and artificial intelligence, and data mining. (<http://www.employment.ku.edu/academic/15765BR>)

Exceptional applicants in other closely related areas to the above topics may be considered.

The University of Kansas School of Engineering (SoE) and the EECS Department strongly value diversity, equity, and inclusion. We seek candidates who can contribute to fostering an inclusive culture. KU SoE is one of only 29 universities to achieve the exemplar, inaugural ASEE Diversity Recognition Bronze Award <https://diversityrecognition.asee.org/award-recipient/>.

Applications should be submitted at <http://employment.ku.edu/academic-jobs>. Applications should include a letter of application, a curriculum vitae, a statement of research interests and plans, a statement of teaching interests including plans for broadening participation in computing/computer engineering, and contact information for three references. Applications will be reviewed beginning November 15, 2019, and will be accepted until the position is filled. The appointment will be effective as negotiated. Questions can be sent to: EECS_Search@eecs.ku.edu.

KU is an EO/AE, full policy can be found at: <http://policy.ku.edu/IOA/nondiscrimination>. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy), age, national origin, disability, genetic information or protected Veteran status.

University of Kentucky

Assistant Professor

The Department of Computer Science at the University of Kentucky invites applications for a tenure-track faculty position to begin August 2020. We seek excellent candidates in all areas, with a particular desire for expertise in data science and the related areas of machine learning, big data, cloud computing, and data mining. We will consider all ranks, with a preference for candidates at the assistant professor level. Outstanding candidates at the rank of assistant

professor will be considered for an endowed fellowship.

We are seeking energetic and creative faculty who have a passion for teaching students. Candidates should be able to teach courses in our newly established graduate program in Data Science, upper-level courses in their areas of expertise, and, ultimately, core courses in our ABET-accredited undergraduate Computer Science program.

We favor researchers who are eager to collaborate to solve problems that extend beyond their own research areas. Our faculty members have established research programs with other members of the department and with a wide variety of other departments and programs, including statistics, biology, linguistics, internal medicine, electrical engineering, computer engineering, and the humanities.

The Department, one of the first computer science departments in the United States, has 22 faculty members committed to excellence in education, research, and service. We offer programs leading to the Bachelors, Masters, and Ph.D. degrees. The University of Kentucky is located in Lexington, the scenic heart of the Bluegrass Region of Kentucky. With recognition as one of the safest, most creative, and well-educated cities in the nation, Lexington is an ideal location to build an outstanding, work-life balanced career.

Candidates must have earned a PhD in Computer Science or closely related field at the time employment begins.

To apply, a University of Kentucky Academic Profile must be submitted at the following link: <http://ukjobs.uky.edu/postings/250618>

Applications are now being accepted. Review of credentials will begin immediately and continue until the positions are filled.

Questions should be directed to HR/ Employment by phone at 1-859-257-9555 press 2 or email (ukjobs@email.uky.edu), or to Diane Mier (diane.mier@uky.edu) in the Computer Science Department.

Upon offer of employment, successful applicants must undergo a national background check as required by University of Kentucky Human Resources. The University of Kentucky is an equal opportunity employer and especially encourages applications from minorities and women.

University of Louisiana at Lafayette

Professor and Director of the School of Computing and Informatics

The University of Louisiana at Lafayette invites application for a Professor and Director of the School of Computing and Informatics. Exceptional candidate will also be considered for Computer Science Trust Fund Eminent Scholar Chair, with a nationally competitive compensation package. The applicants must have a doctorate in computer science or a related area, a strong track record in doctoral student supervision, an externally funded research program,

intellectual interests to lead or contribute to multidisciplinary, must have served in leadership roles in an academic environment—preferably as a Department Head at a university with strong research and teaching programs—and have a strong record of professional service in academic and research communities.

Further details and application information are available at:

<https://louisiana.csod.com/ats/careersite/JobDetails.aspx?site=1&id=608&source=cra>

Applications will be reviewed until positions are filled. First consideration will be given to applications received by February 15, 2020.

University of Louisiana at Lafayette is an Equal Opportunity/Affirmative Action/Disability/Veterans Employer.

Job Ad# (req608)

University of Louisville

Two Tenure-Track Faculty Positions in Computer Science and Engineering

The Computer Science and Engineering Department at the University of Louisville welcomes applications for two tenure-track faculty positions starting Fall 2020. More information on these positions are available at the following links:

Position #1: <https://www.higheredjobs.com/details.cfm?JobCode=177093688>

Position #2: <https://www.higheredjobs.com/details.cfm?JobCode=177113459>

University of Louisville

Tenure-Track Assistant Professor Position (#2) in Computer Engineering and Computer Science

The Department of Computer Engineering and Computer Science (CECS) at the University of Louisville invites applications for a tenure-track Assistant Professor position. Outstanding candidates at higher ranks may also be considered. We seek candidates in all areas of computer science; however, candidates with core research interests in cybersecurity and privacy, including but not limited to systems and hardware security (operating systems, distributed systems, embedded systems, cyber-physical systems, etc.), software security, data security and privacy-preserving protocols, network security, blockchains, and cryptocurrencies, and trust management, are especially encouraged to apply.

The department offers ABET-accredited BS and MENG degrees in CECS, an MS degree in CS, and a Ph.D. degree in CSE. Successful candidates will be expected to teach core undergraduate CECS courses, in addition to graduate-level courses in her/his research areas; develop an independent, externally funded research program commensurate with the expectations of an R1 university along with a commitment to high-quality teaching; mentor diverse students; participate in all aspects of the department's mission; and serve the profession.

Review of applications will commence on January 6, 2020, and will continue until the position is filled. Applicants must apply online at <http://www.louisville.edu/jobs> and submit: (1) a cover letter clearly stating the position name and job ID number; (2) a curriculum vitae (including the names and contact information of at least three referees); (3) a research statement; and (4) a teaching statement.

The full position description and application details can be found at the following link:

<https://www.higheredjobs.com/details.cfm?JobCode=177113459>

University of Louisville

Tenure-Track Assistant Professor Position in Computer Engineering and Computer Science

The Department of Computer Engineering and Computer Science (CECS) at the University of Louisville invites applications for a tenure-track Assistant Professor position. Outstanding candidates at higher ranks may also apply.

Exceptional candidates in all areas of CECS will be considered, but of particular interest are candidates specializing in the areas of Robotics, Embedded Systems, IoT, Hardware-Embedded Intelligence and Learning and Optimization, Artificial Intelligence, and Cyber-Physical Systems.

CECS offers ABET-accredited BS and MENG degrees in CECS, an MS degree in CS, and a PhD degree in CSE. Successful

candidates will be expected to teach core undergraduate CECS courses such as introduction to programming, data structures, algorithms, embedded systems, and operating systems.

Applicants must submit: (1) a cover letter clearly stating the position name and job ID number; (2) a curriculum vitae (including the names and contact information of at least three referees); (3) a research statement; and (4) a teaching statement. Review of applications will commence on January 6, 2020, and will continue until the position is filled.

The full position description and application details can be found at the following link:

<https://www.higheredjobs.com/details.cfm?JobCode=177093688>

University of Louisville

Assistant Professor Term (Computer Engineering and Computer Science) Position Description

The Department of Computer Engineering and Computer Science at the University of Louisville seeks candidates for a Term Assistant Professor position (non-tenure track) with a start date of January, 2020. Ideal candidates will have a Ph.D. in Computer Engineering and/or Computer Science (or a closely related field), a strong grasp of the fundamentals, outstanding communication skills, and a passion for making meaningful, positive contributions to the educational experience. Moreover, because this

position emphasizes teaching, the ideal candidate should be comfortable teaching a broad range of Computer Science and Engineering courses. These subjects include but are not limited to C/C++, Java/OOP, Data Structures, Cybersecurity, Embedded Systems, Databases and Operating Systems.

The Speed School of Engineering is home to eight departments, with an undergraduate enrollment of approximately 2000; the university has an approximate undergraduate enrollment 17,500. The university also has a graduate enrollment of approximately 4,200, in keeping with its research one status. Located between Cincinnati, Indianapolis, and Nashville, Louisville is the state's major metropolitan area with a population of approximately 750,000.

Applications consist of a cover letter that indicates qualifications for the position (1 page), a statement of teaching experience and philosophy (3 pages max.), a current curriculum vitae, and a list of names and contact information for 3 references. Materials are to be submitted online. Review of applications will begin on September 30, 2019; applications will be accepted until the position is filled.

Equal Employment Opportunity

The University of Louisville is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, sex, age, color, national origin, ethnicity, creed, religion, disability, genetic information, sexual

orientation, gender, gender identity and expression, marital status, pregnancy, or veteran status. If you are unable to use our online application process due to an impairment or disability, please contact the Employment team at employment@louisville.edu or 502.852.6258.

<https://www.higheredjobs.com/clickthru/redirect.cfm?JobCode=177093687>

University of Maine

Assistant Professor in Computer Science (Data Science)

The University of Maine School of Computing and Information Science seeks applicants for a tenure-track Assistant Professor position, with an anticipated start date of September 1, 2020. Our primary target focus is the broad area of data science (machine learning, data mining, data analytics, graph analysis, data visualization), but we will consider exceptionally qualified candidates in any data science-related area. This position is part of a cluster hire around an EPSCoR research grant on environmental DNA. The candidate is expected to participate in interdisciplinary collaborations with faculty in ecology, bioinformatics, marine science, and others in large scale analysis of spatially and temporally distributed sequence data. The candidate will also participate in the EPSCoR research program, develop and teach courses in Data Science and other areas of expertise, advise and mentor students, and contribute service to the School,

College, and University. The position is expected to become joint with the planned Maine Center for Genetics in the Environment at the University of Maine.

Qualifications:

Required:

- PhD in Computer Science, Data Science or a related field, by date of hire.
- Research experience and expertise in an area of data science.

Desired:

- Research experience and expertise in machine learning, data mining, data analytics, graph analysis, or data visualization, complementing the School's existing research strengths in Artificial Intelligence (AI), Data Management, Distributed Systems, Human-Computer Interaction (HCI), Cybersecurity/Privacy, Data Visualization, and Spatial Informatics. Evidence of ability to participate in interdisciplinary collaborations with faculty in ecology, bioinformatics, and others engaged in large scale analysis of spatially and temporally distributed sequence data.
- Successful teaching experience.
- Documented participation in activities promoting inclusive excellence.

To Apply: <https://umaine.hiretouch.com/job-details?jobID=59236&job=assistant-professor-in-computer-science-data-science>

University of Maryland

Instructional Faculty/Lecturer

The Department of Electrical and Computer Engineering is looking to hire an instructional faculty member who will work with our bright and enthusiastic ECE students. We are looking to hire instructional faculty both at the lecturer level and senior lecturer level – depending on the individual’s level of experience. The Electrical and Computer Engineering department is expanding, and has a rapidly growing student body.

During each fall and spring semester, we anticipate that the lecturer will teach up to four sections involving programming and digital logic design. (This could involve multiple sections of the same course). The lecturer may also decide to participate in curriculum development or to become involved in the departments’ vibrant research community via research grants. Opportunities for summer and winter teaching for additional pay are also available.

A Master’s degree is required in Electrical and Computer Engineering, or a related field. In-depth knowledge of and proficiency in teaching C and UNIX as well as digital logic design is also required.

Preferences: Ph.D. in Electrical and Computer Engineering or related field. Experience teaching logic design laboratory. Experience and expertise with computer organization.

Candidates should upload a CV, a statement of teaching philosophy, a

list of references, a listing of recently taught courses and evidence of teaching effectiveness (e.g., teaching evaluations, teaching awards), and a cover letter highlighting the specific strengths of the candidate with respect to this position. Candidates who are interested in pursuing research activities in parallel with teaching should include in the cover letter a brief description of their interest. Apply online at: <https://ejobs.umd.edu/postings/73868>

We are particularly interested in growing the diversity of our student population, and encourage candidates who have experience in engaging with and supporting students of diverse backgrounds to include in the cover letter a description of their experience, perspective on the subject, and interest in pursuing such activities in our department.

For best consideration, applicants are encouraged to apply by January 27, 2020. However, the position will remain open until filled. For any information or questions please email yeung@umd.edu.

The University of Maryland is an Equal Employment/Affirmative Action employer. We do not discriminate in hiring on the basis of sex, gender identity, sexual orientation, race, color, religious creed, national origin, physical or mental disability, protected Veteran status, or any other characteristic protected by federal, state, or local law.

University of Maryland

Full/Associate Professor

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill multiple faculty positions, with starting dates on or after July 1, 2020. The openings are not restricted to any rank and outstanding candidates at all levels are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in all areas of computer science, including but not limited to Artificial Intelligence, Computer Vision, Cybersecurity, Data Sciences, Human-Computer Interaction, Machine Learning, Programming Languages, Software Engineering, etc. are being sought. Applicants working at the boundary of computer science and related disciplines, including Computational Linguistics and Natural Language Processing, Quantum Computing, Robotics, and Scientific Computing are also encouraged to apply and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially

encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply online at <https://ejobs.umd.edu/postings/73625>. The review of applications will begin on October 15, 2019, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by that date for full consideration. Candidates will be prompted when submitting application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top- 15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and

UMIACS is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <https://iribe.umd.edu/>.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, three international airports, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland

Assistant/Associate/Full Professor

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill multiple endowed positions by Capital One, with start dates on or after July 1, 2020. Outstanding mid-career and/or senior candidates are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in Machine Learning, Data Science, and Cybersecurity are being sought. Applicants working at the boundary of computer science and related disciplines are also encouraged to apply and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply online at <https://ejobs.umd.edu> in order to receive consideration. Search under

Faculty for position #123708. The review of applications will begin on October 15, 2019, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by that date for full consideration. Candidates will be prompted when submitting an application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: capitaloneresearch@cs.umd.edu.

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sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland

Associate Professor- Theoretical Computer Sciences- #125319

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill an endowed position by Brin Family Foundation, with start dates on or after July 1, 2020. Outstanding mid-career and senior candidates in theoretical

computer sciences across all sub-fields are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates with possible focuses on advancing fundamental understanding and theoretical development related to Quantum Computing, Machine Learning, Data Science, Cybersecurity, and Artificial Intelligence are being sought. Applicants working at the boundary of computer science and related disciplines are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply on-line at <https://ejobs.umd.edu/postings/73626> in order to receive consideration. The review of applications

will begin on October 15, 2019, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by that date for full consideration. Candidates will be prompted when submitting application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: brinchairsearch@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <https://iribe.umd.edu/>.

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University of Maryland, Baltimore County (UMBC)

Department of Information Systems

Multiple Open Rank Tenure-Track Faculty Positions

The Department of Information Systems (IS) at UMBC invites applications for three open rank tenure-track faculty positions starting August 2020. Successful candidates will complement and extend our current strengths in Artificial

Intelligence, Data Science, Human-Centered Computing, Health Information Technology, and Software Engineering. Candidates with research interests cross-cutting multiple areas are particularly encouraged to apply. Strong candidates with a research emphasis in other areas may also be considered. Candidates must have earned a PhD in Information Systems, Computer Science, or related fields no later than August 2020.

All candidates are expected to establish a collaborative, externally funded, and nationally recognized research program; they are expected to contribute to teaching a variety of graduate and undergraduate courses offered by the department effectively. Candidates are expected to be innovative in terms of pedagogical methods, course content, and curriculum development, and be committed to advising, mentoring and supporting student success. All candidates should have experience in – or have the potential for – building an equitable and diverse scholarly environment in teaching, mentoring, research, life experiences, or service. Candidates for the Associate Professor rank should also have a strong record of research, teaching, service, and a sustained externally-funded research program. Candidates for the Full Professor rank should also demonstrate leadership in their field, hold an excellent academic record, and show a history of securing external funds for multiple sizable research projects. We are particularly interested in receiving applications from individuals who are members of groups

that historically have been under-represented in the professoriate.

The Department has 30 full-time faculty and over 1,600 students, including over 70 PhD students. The department offers undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS program in IS. In addition, the Department houses the Master's in Health Information Technology, which is a professional degree program. Our faculty are actively engaged in collaborative interdisciplinary research within and across departments and institutions, and three of our current faculty have received NSF CAREER awards. Further details can be found at <https://informationsystems.umbc.edu/>.

UMBC is a public research university that is leading the world in inclusive excellence in research and teaching. We are redefining how to teach and we are one of the most innovative universities in the nation (US News). To continue to support this goal, the Faculty Development Center provides excellent support such as classroom observation, collection and analysis of student feedback as well as regular workshops and pedagogical demonstrations. Our research is bold, cross disciplinary, and leverages our location near to the hospitals in Baltimore, NIH, NASA, NSF, and the USGS. UMBC's strategic

location in the Baltimore-Washington corridor puts us close to many high-tech companies as well. The 2018 Chronicle of Higher Education also named UMBC as one of the best colleges to work for, for the ninth year in a row. The department, college and UMBC are deeply committed to the success of all of our faculty. We have various mentoring programs such as "launch committees" to offer regular and structured mentorship for faculty to develop a thriving and successful research program and the Eminent Scholar mentoring program to build relationships with leaders in the field beyond UMBC. The campus is close to both energetic urban centers and family-friendly suburbs. Nearby cities such as Columbia and Ellicott City have been routinely ranked as top 10 best places to live in the US.

We especially welcome applications from candidates who are willing to contribute to the diversity mission of the university and the department. UMBC is a national model for diversity and inclusive excellence in STEM. Examples of these are our Meyerhoff Scholar programs (<http://meyerhoff.umbc.edu/>), the Center for Women in Technology (<http://cwit.umbc.edu>), and PROMISE: Maryland's AGEP and LSAMP Bridge to the Doctorate programs. Inclusive excellence is a hallmark of UMBC and a foundational value of our community. UMBC is the nation's #1 producer of African American undergraduates who go on to complete an M.D./Ph.D. and #2 nationally for African American undergraduates who complete a STEM Ph.D. The IS department also has

a diverse student body with 23% from under-represented minorities and half of our full-time faculty are female.

For full consideration, applications for the positions must be submitted as PDF files via Interfolio at <http://apply.interfolio.com/69677> by December 15, 2019.

A complete submission will consist of:

1. Cover letter
2. CV
3. One-page statement of teaching philosophy.
4. Two-page statement of research interests.
5. One-page statement of demonstrated commitment to diversity and inclusive excellence.
6. 6) Names and contact information of at least three references. Letters will be required later for short-listed candidates.

Candidates' experience will be evaluated commensurate to the rank to which they are applying. For inquiries, please email to is_faculty_search_2019@umbc.edu. Review of applications will begin in December, 2019 and will continue until the positions are filled.

UMBC is an Affirmative Action/Equal Opportunity Employer and welcomes applications from minorities, women, veterans, and individuals with disabilities.

University of Maryland, Baltimore County (UMBC)

Multiple Tenured/Tenure Track and Instructional Faculty Positions

The University of Maryland, Baltimore County (UMBC)'s Department of Computer Science and Electrical Engineering (CSEE) invites applications for multiple tenured/tenure-track positions and instructional faculty positions in Computer Science (CS) to begin in the Fall of 2020.

For full consideration, please submit application materials by January 15th, 2020.

Applications will be accepted until the position is filled.

UMBC is an Equal Opportunity/Affirmative Action Employer. <https://www.csee.umbc.edu/about/jobs/>

University of Maryland College Park

Position #125319

Department of Computer Science

Full Professor or Associate Professor with Tenure

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill an endowed position by Brin Family Foundation, with start dates on or after July 1, 2020. Outstanding mid-career and senior candidates in **theoretical computer sciences** across all sub-fields are encouraged to apply. Successful applicants will also be considered for

joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates with possible focuses on advancing fundamental understanding and theoretical development related to **Quantum Computing, Machine Learning, Data Science, Cybersecurity, and Artificial Intelligence** are being sought. Applicants working at the boundary of computer science and related disciplines are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply on-line at <https://ejobs.umd.edu> in order to receive consideration. Search under Faculty for position #125319. Applications are accepted all year until all positions are filled. Applicants are strongly encouraged to have complete versions of their materials – including

a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by December 31, 2019. Candidates will be prompted when submitting the application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: brinchairsearch@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <https://iribe.umd.edu/>.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research

organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland College Park

Position #125318

*Assistant Professor, Associate Professor
or Full Professor*

Department of Computer Science

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill multiple faculty positions, with starting dates on or after July 1, 2020. The openings are not restricted to any rank and outstanding candidates at all levels are encouraged to

apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in all areas of computer science, including but not limited to Artificial Intelligence, Computer Vision, Cybersecurity, Data Sciences, Human-Computer Interaction, Machine Learning, Programming Languages, Software Engineering, etc. are being sought. Applicants working at the boundary of computer science and related disciplines, including Computational Linguistics and Natural Language Processing, Quantum Computing, Robotics, and Scientific Computing are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

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Interested candidates should apply online at <https://ejobs.umd.edu> in order to receive consideration. Search under

Faculty for position #125318. Applications are accepted all year until all positions are filled. Applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by December 31, 2019. Candidates will be prompted when submitting application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu.

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legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, three international airports, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

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University of Maryland, College Park

Sociotechnical Assistant/Associate/Full Professor (Open Rank) (Faculty)

A socio-technical approach to cybersecurity recognizes that to protect our information and critical infrastructure

we must consider human, social, organizational, economic, institutional, and technical factors, as well as the complex interactions among them. Creating, maintaining, operating infrastructural systems that are resilient in the face of threats that include malicious attacks, random vandalism, natural disasters, and information warfare necessarily requires fundamental advances in our understanding of the socio-technical aspects of cybersecurity.

The College of Information Studies at the University of Maryland, College Park (Maryland's iSchool), invites applications for a tenure-track Assistant Professor, or tenured Associate Professor or Professor position in socio-technical aspects of cybersecurity. The successful candidate will engage in an active program of high-impact research; provide research advising to students at all levels; develop courses and teach in the College's undergraduate, graduate, and non-degree programs; and engage in service to the profession and shared governance within the university.

Best Consideration: December 09, 2019.

To apply, please use the UMD ejobs link: <http://ejobs.umd.edu/postings/74571>

University of Massachusetts

FT/PT Lecturer/Sr. Lecturer

The College of Information and Computer Sciences (CICS) at the University of Massachusetts is looking for exceptional

full-time and part-time teachers. We encourage applications from teachers in any area of the information and computer sciences, but we currently have the strongest need for faculty who can teach security, software engineering, theory of computation, artificial intelligence, health informatics, and data science courses.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502752/ftpt-lecturersr-lecturer-information-computer-sciences>.

UMass is an Affirmative Action/Equal Opportunity employee of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

FT/PT Lecturer/Sr. Lecturer - Computer Science

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst is looking for exceptional full-time and part-time teaching faculty. We encourage applications from candidates who can develop and teach courses in security, software engineering, theory of computation, artificial intelligence, data science, and related areas of computer science.

For a complete position announcement including minimum qualifications and

application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502752/ftpt-lecturersr-lecturer-information-computer-sciences>.

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University of Massachusetts Amherst

FT/PT Lecturer/Sr. Lecturer - Informatics

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst is looking for exceptional full-time and part-time teaching faculty. We encourage applications from candidates who can develop and teach courses in bioinformatics, health informatics, computational biology, and related areas of information and computer sciences.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502752/ftpt-lecturersr-lecturer-information-computer-sciences>.

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University of Massachusetts Amherst

TT Faculty Positions - Robotics

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for multiple tenure-track faculty at the Assistant, Associate, and Full Professor levels in Robotics.

In a collaboration between the College of Engineering and the College of Information and Computer Sciences (CICS), UMass Amherst is building an Excellence Cluster in Robotics to remain at the forefront of research and education in this critical field. The University will be hiring five more tenure track faculty in Robotics. We are actively seeking faculty who can broaden our robotics program with expertise in machine learning, dynamics and control, machine vision, planning, human-robot interaction, manufacturing systems, and other key areas.

For a complete position announcement or to apply, please visit <https://www.cics.umass.edu/job/assistantassociate-professor-robotics>.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Assistant/Associate Professor - Robotics

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for multiple tenure-track faculty positions at the Associate and Assistant Professor levels in Robotics. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502752/ftpt-lecturersr-lecturer-information-computer-sciences>.

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University of Massachusetts Amherst

Assistant/Associate Professor-Informatics

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst (UMass Amherst) invites applications for tenure-track faculty at the Associate and Assistant Professor levels from computer scientists whose research applies a computational lens to challenges from other disciplines. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502780/assistantassociate-professorinformatics>

UMass is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Assistant/Associate Professor-Information Retrieval (IR)

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst (UMass Amherst) invites applications for tenure-track faculty at the Associate and Assistant Professor levels in Information Retrieval (IR). Exceptional candidates at other ranks may be considered. Candidates are expected to build on and complement the internationally recognized strength in IR at UMass. The Center for Intelligent Information Retrieval has been an important part of the research that has led to search engines being one of the most-used information technologies in current mobile and desktop environments.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502754/assistantassociate-professorinformation-retrieval-ir>.

UMass is an Affirmative Action/Equal Opportunity employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected groups.

University of Massachusetts Amherst

Assistant/Associate Professor-Software Engineering & Programming Languages

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for tenure-track faculty at the Associate and Assistant Professor levels whose research focuses on Software Engineering or Programming Languages, broadly construed, or related areas. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see: <http://careers.umass.edu/amherst/en-us/job/502777/assistantassociate-professorsoftware-engineering-programming-languages>.

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University of Massachusetts Amherst

FT/PT Lecturer/Sr. Lecturer

The College of Information and Computer Sciences (CICS) at the University of Massachusetts is looking for exceptional full-time and part-time teachers. We encourage applications from teachers in any area of the information and computer sciences, but we currently have the strongest need for faculty who can teach security, software engineering, theory of computation, artificial intelligence, health informatics, and data science courses.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502752/ftpt-lecturersr-lecturer-information-computer-sciences>.

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University of Massachusetts Amherst

Teaching Fellow

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst is looking for exceptional PhD recipients who are interested in furthering their teaching experience as Teaching Fellows

while maintaining research activity in preparation for a future faculty position. We encourage applications from recent PhD recipients as well as those expected to be conferred in the next year.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502750/teaching-fellow-lecturer-information-computer-science>.

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University of Massachusetts Amherst

Assistant/Associate Professor-Data Science

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for multiple tenure-track faculty openings at the Associate and Assistant Professor levels in the broad area of Data Science. Exceptional candidates at other ranks may be considered. All areas of data science will be considered, including especially natural language processing, computer vision, machine learning, statistics, optimization, deep learning, reinforcement learning, game theory, fairness/accountability, systems for data science, theory for data science, as well as applications to

computational economics, agriculture, ecology, education, biomedicine, images, and text.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502779/assistantassociate-professordata-science>.

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University of Massachusetts Amherst

Assistant/Associate Professor-Theory

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for tenure-track faculty in Theoretical Computer Science at the Associate and Assistant Professor levels. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502778/assistantassociate-professortheory>.

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University of Massachusetts Boston

Assistant Professor Position in Computer Science

College of Science and Mathematics

The Computer Science Department at the University of Massachusetts Boston invites applications for one full-time, tenure-track faculty position to begin September 1, 2020. We particularly seek expertise in Theory, Algorithms, Data Science, or Optimization. Candidates must possess a Ph.D. in Computer Science or closely related fields. The successful candidate will receive a competitive salary and start-up package and is expected to establish a highly-recognized, externally-funded, and independent research program.

About UMass Boston:

Located on the Boston Harbor, the University of Massachusetts Boston offers undergraduate and graduate programs in almost 90 fields of study. It serves a diverse population of more than 17,000 students and is nationally recognized as a model of excellence for urban universities. Faculty have many opportunities for interdisciplinary research and collaboration, e.g., in the physical, biological, environmental and computational sciences. For more information, see www.umb.edu.

Application Instructions:

- Submit a cover letter, curriculum vitae, statements about research and teaching, and the names

and email addresses of three references. Please submit your application at: <http://employmentopportunities.umb.edu/boston/en-us/job/503560/assistant-professor>

- Applications received by January 15, 2020, will receive full consideration. For more information, visit us at <http://www.cs.umb.edu> and direct questions to Marc Pomplun, Recruitment Committee Chair, at marc.pomplun@umb.edu.

The University of Massachusetts Boston is an equal opportunity employer. The University of Massachusetts Boston complies with all applicable federal, state and local laws governing nondiscrimination in employment in every location in which the university operates. This policy applies to all terms and conditions of employment.

University Of Massachusetts Dartmouth

Faculty Positions in Computer and Information Science

The Department of Computer and Information Science (CIS) in the College of Engineering at the University of Massachusetts Dartmouth invites applications for a tenure-track faculty position at the assistant professor level and a full-time lecturer beginning in September 2020:

Tenure-Track Faculty Position in Computer and Information Science

The department is particularly interested in candidates with a research focus in the areas of data analytics, human-computer interaction, and data visualization. The University of Massachusetts Dartmouth has growing expertise and a strong interdisciplinary emphasis in data analytics that incorporates informatics, machine learning, data analysis, and predictive and visual analytics. We expect the successful candidate to establish a strong independent research program while strengthening interdisciplinary collaborations with researchers across campus.

<http://careers.umassd.edu/dartmouth/en-us/job/502607/assistant-professordata-analytics>

Full-Time Lecturer Position in Computer and Information Science

The department is particularly interested in candidates in the area of cybersecurity or a related field in computer science. This is a 9-month, non-tenure-track position with primary responsibilities for online graduate instruction as well as undergraduate and graduates classroom instruction. Initial appointment is up to 2 years, with the possibility of renewal.

<http://careers.umassd.edu/dartmouth/en-us/job/502608/fulltime-lecturercomputer-information-science>

Screening of complete applications will begin November 15, 2019, and continue until the positions are filled. Apply online at <http://www.umassd.edu/hr/employmentopportunities/>

More information about the Computer and Information Science Department can be found here: <https://www.umassd.edu/engineering/cis/>

UMass Dartmouth is an Affirmative Action, Equal Opportunity, Title IX Employer. The University of Massachusetts reserves the right to conduct background checks on potential employees.

University of Memphis

Assistant Professor Tenure Track

The Department of Computer Science at the University of Memphis is seeking candidates for Assistant Professor position(s) beginning Fall 2020. Exceptionally qualified candidates in all areas of computer science are invited, while candidates with core expertise in emerging areas of edge computing, machine learning, and software engineering are particularly encouraged to apply. Successful candidates are expected to develop externally sponsored research programs, lead or participate in collaborative research projects within Computer Science and beyond, teach both undergraduate and graduate courses and provide academic advising to students at all levels. Candidates from minority and underrepresented groups are highly encouraged to apply.

Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is highly competitive and dependent upon qualifications.

The Department of Computer Science (www.memphis.edu/cs) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance. The Department has been ranked 55th among CS departments with federally funded research. The Department regularly engages in large-scale multi-university collaborations across the nation. For example, CS faculty lead the NIH-funded Big Data “Center of Excellence for Mobile Sensor Data-to-Knowledge (MD2K)” and the “Center for Information Assurance” (CfIA). In addition, CS faculty work closely with multidisciplinary centers at the university such as the “Institute for Intelligent Systems” (IIS).

Well known as America’s distribution hub, Memphis was ranked as America’s 6th best city for jobs by Glassdoor in 2017. Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2019. However, applications will be accepted until the search is completed.

To apply, please visit <https://workforum.memphis.edu/postings/23648>. Include a cover letter, curriculum vitae, teaching and research statements, and three letters of recommendation. Direct all inquiries to Corinne OConnor (cconnor2@memphis.edu).

A background check will be required for employment. The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

University of Minnesota Duluth

Tenure-Track Assistant Professor of Computer Science

The Department of Computer Science at the University of Minnesota Duluth, a comprehensive university of approximately 11,500 students located in Duluth, Minnesota, solicits applications for a tenure-track position at the rank of Assistant Professor. Applicants with Computer Security, Software Engineering, or Systems-related focuses are preferred, but all areas of computer science will be considered.

A dynamic city on a hill situated at the western tip of Lake Superior, Duluth was named Outdoor magazine’s Best Outdoors Town, celebrating its access to the outdoors and to Lake Superior -- the largest freshwater lake on earth by area. Duluth is home to hundreds of miles of biking, hiking, and skiing trails, including the Superior Hiking Trail, a 300+ mile trail intersecting Duluth, and the Duluth Traverse, an 85-mile multi-use biking and hiking trail stretching across town. In addition to the outdoors, the Twin Ports area has vibrant music, arts, crafts and craft brewing scenes, and a variety of award-winning restaurants. Duluth is a truly wonderful place to live, with great schools, health care, and affordable

housing. It mixes its historic small-town feel with a dynamic urban economy and many cultural offerings.

As part of the Swenson College of Science and Engineering, the Department of Computer Science, currently has 12 faculty members, 1 instructor, 25 full-time graduate students and over 350 undergraduates. It offers an ABET-accredited Bachelor of Science degree in addition to a Bachelor of Arts and a Master of Science in Computer Science. In addition to a student-led ACM chapter, the department has an active Women in Computing group, frequent social events and several community outreach and engagement activities.

The department is seeking a tenure-track faculty member to join our dynamic and engaged faculty to broaden our diverse computer interests. Applicants must have a Ph.D. in computer science or a related discipline from a regionally accredited university by July 1, 2020. Demonstrated commitment to teaching, evidence of potential to develop a successful independent research program in a computer science discipline, and effective written communication skills are required. Evidence of teaching experience (such as having performed as a teaching assistant), publications (such as peer reviewed journals, conference proceedings, trade magazines, white papers, or technical reports), good interpersonal and oral communication skills, and evidence of the ability to support the University’s goals for creating a positive and inclusive climate, including the ability to work effectively

with diverse groups are all preferred qualities. Experience with effective teaching methods, such as active learning is also preferred.

The successful candidate is expected to teach and strongly contribute to the curriculum in the department's undergraduate program while also contributing to the graduate program. Job responsibilities include developing an independent research program in computer science that involves mentoring undergraduate and graduate students, publishing articles in peer-reviewed journals and conference proceedings, engaging in departmental activities, pursuing external funding, advising undergraduate and graduate students from diverse groups, and participating in departmental and college outreach. Responsibilities also include fulfilling typical department, college, university and professional service obligations. This position has an official start date of August 24, 2020.

We are strongly committed to increasing the diversity of our department and enthusiastically encourage applications from members of groups that are traditionally underrepresented in Computer Science.

Applications must be submitted online. To apply for this position, go to

<http://www1.umn.edu/ohr/employment/> and search for job opening 333804.

Complete applications must include:

1. Letter of Application

2. Current Curriculum Vitae

3. Contact information for three professional References (Attachment Type: Reference Attachments)

4. Statement of Teaching Philosophy and Statement of Research Goals (submitted

as one document. Attachment Type: Teaching/Research Philosophy)

5. Statement on Diversity (Attachment Type: Statement on Diversity)

6. Unofficial Transcripts of highest degree (Attachment Type: Transcripts)



University of Missouri

Assistant, Associate, Full Professors In Cyber Security & High Assurance Computing

The Department of Electrical Engineering and Computer Science at the University of Missouri seeks applications for five tenure-track/tenured positions at the rank of Assistant, Associate, and Full Professor, starting Fall 2020. These five positions are part of a University of Missouri strategic initiative in Cyber Security and complement recent hiring in that area. The university has been recently designated as a NSA Cyber Defense-Center of Academic Excellence (Research) and is seeking to build on its success.

Applicants must have a Ph.D. in Computer Science, Computer Engineering or a closely related field. Preferred candidates will have success in research, and a strong commitment to excellence in teaching. For a candidate seeking a position at the level of Associate or Full Professor, a record of attracting external research funding appropriate to their rank is an essential factor. We also encourage applicants with a history of, or an interest in, interdisciplinary research. The focus of these hires will be in Cyber Security, broadly construed, including formal methods, systems, and theory.

We are especially interested in:

- Hardware and Embedded Systems Security;
- Secure Software Engineering (including static binary analysis, language-based security, and software verification);
- Wireless Security;
- Cloud Security;
- Cyber-Physical Systems and Internet of Things.

Applications will be reviewed immediately upon receipt and will continue until the positions are filled.

Application: Applicants should submit a CV, a research plan, a teaching statement and a list of three to five professional references electronically to <https://hrs.missouri.edu/find-a-job/academic> refer to Job ID 31546.

Inquiries can be directed to the search committee at securityhiring@missouri.edu.

The University of Missouri is a Tier I research institution and one of only 60 public and private U.S. universities invited to membership in the prestigious Association of American Universities. The university was founded in 1839 in Columbia as the first public university west of the Mississippi River. Today, with an enrollment of more than 35,000 students, 13,000 full-time employees and 300,000 alumni, Mizzou is a \$2.2 billion enterprise and an important investment for the state and nation.

MU specifically invites and encourages applications from qualified women and members of groups underrepresented in science. Equal Opportunity/Affirmative Action/ADA employer firmly committed to fostering ethnic, racial, and gender diversity in our faculty.

Important instructions for submitting application. First submit the application with cover letter and CV/resume. Then return to the “My Activities” page to attach the additional documents. Completed online applications will be considered beginning December 9, 2019. This position will remain open until filled.

Candidates should also arrange to have three letters of recommendation (hard copy, although email followed by hard copy is acceptable) forwarded directly to

Mrs. Lori Lucia
Department of Computer Science
University of Minnesota Duluth
1114 Kirby Drive, 320 Heller Hall
Duluth, MN 55812
(email: llucia@d.umn.edu)

The University of Minnesota recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds and provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: <http://diversity.umn.edu>.

University of Nebraska at Omaha

Tenure-track Assistant Professor Position in Computer Science

The Department of Computer Science at the University of Nebraska Omaha (UNO) invites applications for a tenure-track Assistant Professor position beginning Fall 2020 with an emphasis in Artificial Intelligence and focus on human-centered AI systems. Areas of interest include knowledge representation and reasoning, cognitive systems, natural language processing, visual analytics, machine learning, and data analytics. Exceptional candidates in all areas of computer science are encouraged to apply.

Candidates must have completed an earned doctorate in computer science or related disciplines by the expected start date. The candidate should have a strong potential to conduct high-quality research, seek research grants, and be committed to excellence in teaching at both undergraduate and graduate levels.

The Department of Computer Science is recognized internationally for conducting research of high distinction and offers a vibrant research culture. The candidate also has opportunities to engage in interdisciplinary collaborations across the university.

To apply, please visit <http://unomaha.peopleadmin.com/postings/9687>. A full application, including cover letter, vita, teaching statement, research statement, and contact information for 3 references

is required for full consideration. Applications will be reviewed starting in November 1 and accepted until the position is filled.

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply for this position.

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment. UNO is a VEVRAA Federal Contractor and an E-Verify employer.

If you have any additional questions, please contact: Dr. Yuliya Lierler (ylierler@unomaha.edu, 402-554-4911).

University of Nebraska at Omaha

Assistant/Associate Professor - Computer Science

The Department of Computer Science at the University of Nebraska Omaha (UNO) invites applications for a tenure-track Assistant Professor position beginning Fall 2020 with emphasis on robotics or multi-agent systems. Areas of interest include, but not limited to, robotics control systems, sensor fusion, robot vision, human-robot interactions, machine

learning for robotics, intelligent and distributed autonomous systems.

The Department of Computer Science at the University of Nebraska Omaha is hosted within the College of Information Science & Technology. The College houses two more academic units: Information Systems and Quantitative Analysis, and the School of Interdisciplinary Informatics. The College offers five undergraduate, seven master's, and two doctoral degree programs. The Department of Computer Science is recognized internationally for conducting research of high distinction and offers a vibrant research culture. The College has an active research grants portfolio of over \$10 million with funds from federal agencies (e.g., NSF, NIH, DHS, Department of Ed.), state government (e.g., NRI, NSF EPSCoR, NU Foundation), a number of local and national corporations and foundations.

To apply, please visit <http://unomaha.peopleadmin.com/postings/9640>. A full application, including cover letter, vita, teaching statement, research statement, and contact information for 3 references is required for full consideration. Applications will be accepted until the position is filled.

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply for this position.

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment. UNO is a VEVRAA Federal Contractor and an E-Verify employer.

Candidates must have completed an earned doctorate in computer science, robotics or related disciplines by the expected start date. The candidate should have a strong potential to conduct high-quality research, seek research grants, and be committed to excellence in teaching at both undergraduate and graduate levels. The candidate will also have opportunities to engage in interdisciplinary collaborations across the university.

University of Nevada

Assistant Professor in Robotics

The University of Nevada (UNR) has a job opening for an assistant professor in Robotics. For more information about UNR, the position and the application process, please visit us at: <https://www.cse.unr.edu/R0118508>

University of Nevada, Reno

Assistant Professor in Cybersecurity and Network Systems

The University of Nevada (UNR) has a job opening for an assistant professor in

Cybersecurity and Network Systems. For more information about UNR, the position and the application process, please visit us at: <https://www.cse.unr.edu/R0118509>

University of New Hampshire

Tenure Track Assistant Professor Of Computer Science

The Department of Computer Science at the University of New Hampshire (UNH) invites applications for a full-time tenure-track assistant professor position to begin August 2020. We are seeking candidates whose research is in systems, human-computer interaction, visual analytics, or data science. A Ph.D. (or equivalent degree) in computer science or a closely related discipline is required by the time of appointment.

Candidates should have a record of excellent research and a clear potential for excellent teaching. The teaching load will be one course per semester for the first three years to give the new hire ample time to mentor graduate students and grow a successful funded research program, after which the load will increase to three courses per year.

The Department offers B.A., B.S., M.S., and Ph.D. degrees and currently has 17 research and teaching faculty, 380 undergraduate majors, and 90 graduate students. UNH is a land-, sea-, and space-grant university and serves as the flagship public research institution of New Hampshire. It is located in the vibrant seacoast area of the state, with

easy access to both Boston and the White Mountains. UNH is an Equal Opportunity, Equal Access, and Affirmative Action institution and is a recent recipient of a National Science Foundation ADVANCE award to promote hiring and advancement of women in science and engineering. We especially encourage applications by members of underrepresented groups.

To apply, submit a cover letter, a complete CV, brief research and teaching statements, three sample publications, and contact information for three references to provide confidential letters of recommendation at the time of application at <http://jobs.usnh.edu/postings/34219>. Applications will be reviewed as they are received until the position is filled, with those received by January 2, 2020, ensured of full consideration.

University of New Hampshire

Lecturer of Computer Science

The University of New Hampshire invites applications for a full-time faculty position of Lecturer of Computer Science in the Applied Engineering and Sciences Department with a focus in the M.S. in Cybersecurity Engineering program. This position has an anticipated start date of August 2020. Qualified candidates are expected to have earned at least an M.S. in Computer Science or a related field with a specialization in cybersecurity and/or digital forensics. Preference will be given to candidates with demonstrated

ability to teach effectively in a dynamic and innovating learning environment.

To view a complete position description, please visit: To apply, please visit <http://jobs.usnh.edu/postings/34422>.

UNH is an EEO employer.

University of New Haven

Assistant Professor or Lecturer in Cybersecurity and Computer Science

The University of New Haven invites applications for potentially multiple positions including tenure track assistant professor or lecturer in cybersecurity and computer science. For full description [click here](#).

University of North Carolina at Chapel Hill

Teaching Faculty

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for the position of Teaching Faculty (Rank to be determined) to begin on or after July 1, 2020. The position is for an initial term of three years, and as a permanent position is periodically renewable upon review. We are seeking candidates who embrace excellence and diversity with a strong commitment to teaching, mentoring and collaboration. Selected candidates will show exceptional promise for, or a proven record of, teaching introductory programming in a diverse undergraduate university environment. Experience teaching large classes, and

using instructional technology for the same is desired.

For more information, and to apply, please visit <https://unc.peopleadmin.com/postings/172914>.

University of North Carolina Chapel Hill

Assistant Professor

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for tenure-track faculty positions at the level of Assistant Professor to begin on or after July 1, 2020. We are seeking candidates who embrace excellence in research and teaching, and have a commitment to diversity, mentoring and collaboration. We are conducting a broad-area search for candidates with a strong research record in areas including, but not limited to, the following: data science, security, computer vision, robotics, natural language processing, machine learning, computer systems, biological computing, and augmented and/or virtual reality.

For more information, and to apply, please visit <http://unc.peopleadmin.com/postings/172901>.

University of North Carolina at Greensboro

Assistant Professor

The University of North Carolina at Greensboro (UNCG) seeks applications

for a tenure-track position at the rank of Assistant Professor in the Department of Computer Science starting August 1, 2020. We are looking for candidates who show exceptional promise in both research and teaching. Preferred research areas are those that build upon our existing areas of strength, which include algorithms, artificial intelligence, bioinformatics, data analytics, databases and data mining, foundations of computer science, human-computer interaction, image processing, networking, security, and virtual and augmented reality, but applicants in other research areas are also encouraged to apply. Candidates must hold or anticipate a Ph.D. in Computer Science or a related discipline by August 1, 2020.

Applicants should apply at <https://spartalent.uncg.edu/postings/15768>

University of North Carolina Wilmington

Assistant Professor

The Department of Computer Science at the University of North Carolina Wilmington invites applicants to apply for two tenure-track Assistant Professor positions with a start date of August 2020. For the first position, we are looking for applicants who have an emphasis in security, cyber-physical systems, artificial intelligence, and machine learning. For the second position, we are looking for an emphasis in Data Science; additional consideration will be given to research focused on data architecture, and familiarity with Spark,

Hadoop, Hive, and Apache Pig. A Ph.D. in Computer Science or closely related area are required for these positions.

Review of applications will begin on January 2, 2020, and will continue until the positions have been filled. Priority consideration will be given to applications received by the Priority Date; however, applications will be accepted until the position is filled.

Applications must be submitted through the online application system to be considered. Position details and full applicant instructions can be found <https://jobs.uncw.edu/postings/15874> and <https://jobs.uncw.edu/postings/15966>. Each applicant is required to submit a cover letter, CV, three professional references, unofficial graduate transcripts, statement of teaching philosophy, and summary of research plans.

Should you have any questions for the security/cyber-physical systems/AI/machine learning position, please reach out to Dr. Ron Vetter (vetterr@uncw.edu), and if you have any questions for the Data Science position, please reach out to Dr. Sridhar Narayan (narayans@uncw.edu).

UNCW is an equal employment / affirmative action employer.

University of North Florida

School of Computing - Four Assistant Professors

The School of Computing at the University of North Florida is hiring four (4) tenure-

earning positions at the assistant professor rank, to begin August 2020. The successful candidates must have an earned Ph.D. degree (or will earn a Ph.D. degree by August 2020) in the field of Computing from an accredited institution. The successful candidate must demonstrate the potential for excellence in teaching and in research. The School of Computing offers academic programs in computer science, data science, information systems, information technology, and information science. The School of Computing continues to grow its students' body, research productivity, and successful partnerships with the Northeast Florida community.

Position responsibilities will include teaching undergraduate and graduate courses in Computing as well as conducting research. A commitment to excellence in teaching and the ability to establish/conduct outstanding research with tangible outcomes are expected from the successful candidate. The School of Computing provides a collegial, collaborative environment for its faculty and staff with a strong commitment to students' success, diversity and inclusion, and its national reputation.

Applicants must complete an online application at www.unfjobs.org to include: a letter of interest, a curriculum vitae, a list of three references with contact information, unofficial transcripts, a teaching statement, and a statement of vision for research. A pre-employment background check is performed on candidates selected for employment.

Please direct your questions to the search committee chair Dr. Roger Eggen at (904) 620-2985 or by e-mail at ree@unf.edu. Review of applications will begin on November 1, 2019, and continue until the position is filled.

UNF is an Equal Opportunity/Equal Access/Affirmative Action Employer. Minorities, women, veterans & spouses of veterans and disabled persons are encouraged to apply.

Jacksonville is one of the largest cities of the southeast with a diverse economy and an affordable cost of living. Residents enjoy a mild climate and access to great beaches. For more information visit: www.visitjacksonville.com and www.coj.net.

University of Northern Iowa

Assistant Professor of Computer Science

The department invites applications for a tenure-track assistant professor position to begin August 2020. The department seeks candidates able to teach and conduct an ongoing research program in their area of expertise, as well as to participate broadly in the CS curriculum. Candidates conducting research in a systems area, such as networking, operating systems, and system security, will be given preference. Applicants must hold a Ph.D. in Computer Science or a closely-related discipline.

Detailed information about the position and the department are available at <http://www.cs.uni.edu/>.

To apply, visit <http://jobs.uni.edu/>. Applications received by January 31, 2020, will be given full consideration.

UNI actively seeks to enhance diversity and is an Equal Opportunity/Affirmative Action employer. The University encourages applications from persons of color, women, individuals living with disabilities, and protected veterans. All qualified applicants will receive consideration for employment without regard to age, color, creed, disability, gender identity, national origin, race, religion, sex, sexual orientation, protected veteran status, or any other basis protected by federal and/or state law. Pre-employment background checks required. UNI is a tobacco-free campus.

University of Notre Dame

Teaching Faculty in Computational Social Science

The College of Arts and Letters and the Department of Computer Science and Engineering at Notre Dame invite applications for a teaching faculty position in Computational Social Science. This new faculty member will support and, where appropriate, provide leadership and strategic direction to undergraduate programs at the interface of the liberal arts and computing. Potential home departments for this position include Anthropology, Economics, Political Science, Psychology, and Sociology, as well as Computer Science and Engineering. Joint appointments are possible. A university goal is to “offer an unsurpassed

undergraduate education.” Teaching faculty are expected to contribute substantially to this goal, to maintain professional currency, and to serve the profession and the University.

The University of Notre Dame is supporting interdisciplinary programs that integrate computer and data science with a variety of scholarly disciplines, including the social sciences, humanities, and creative arts. With university-wide undergraduate minors in Computers and Digital Technologies and Data Science, a new undergraduate degree that combines the study of liberal arts with computer science has been proposed and will launch in 2020.

Teaching focus includes introductory-level courses in computing and elective courses that span computing and liberal arts. Initial appointments will be made at the rank of Assistant Teaching Faculty and are renewable for up to five-year terms. Promotions to more senior ranks are available, depending on performance.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

Review of applications will begin on December 15, 2019, and continue until the position is filled.

To apply for the position, please go to <https://www.interfolio.com/69589>.

Questions may be directed to Professor Tim Weninger (tweninger@nd.edu).

University of Notre Dame

Faculty Position in Computational Social Science

The Department of Computer Science and Engineering and the College of Arts and Letters at the University of Notre Dame invites applications for an open-rank faculty position in Computational Social Science. Candidates should possess an earned Ph.D. in computer science or in a social science field that makes extensive use of computational methods in research. Home departments include Computer Science and Engineering, Sociology, Political Science, or other units in College of Arts and Letters with the opportunity for cross-appointments with other colleges and departments. Applications at the ranks of Assistant Professor, Associate Professor, and Professor will be considered; exceptional candidates may be considered for appointment to a chaired professorship.

Notre Dame is supporting interdisciplinary efforts that integrate computer and data science with a variety of scholarly disciplines, including the social sciences, humanities, and creative arts. University-wide undergraduate minors in Computers and Digital Technologies and Data Science provide integrative opportunities across disciplines. This hire is intended to grow and, where appropriate, provide leadership and strategic direction to interdisciplinary research as well as foster growth in undergraduate opportunities.

Applicants must submit a cover letter, CV, research statement, teaching statement, and contact information for three

professional references to <http://apply.interfolio.com/65475>. At later stages of the process, we may request a writing sample. Review of applications will begin on October 15, 2019, and remain open until the position is filled. Questions may be directed to Professor Tim Weninger (tweninger@nd.edu).

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Notre Dame

Quantum Computing Faculty Position

The University of Notre Dame is expanding the scope of its quantum science and technology community to include quantum computing, and are looking for new faculty with appropriate expertise. These new faculty members and their students are expected to pioneer the development of novel quantum computing applications in chemistry, physics, and engineering, to create tools for increasing the efficiency of quantum computers, and to develop quantum algorithms and techniques to address new application areas such as data analytics. In addition, with the College of Science and the University's Center for Research Computing, the College of Engineering has established a partnership with the IBM Q Network, and is seeking new faculty who wish to collaborate in this quantum computing effort.

The Department of Computer Science and Engineering invites applications for

tenure-track faculty positions at all ranks with expertise in quantum computing paradigms and applications. We seek to attract, develop, and retain excellent faculty members with strong records and future promise. The Department is interested in candidates who will contribute to the diversity and excellence of the University's academic community through their research, teaching, and service, and especially take a leadership role in the University's initiatives in quantum computing.

The Department offers a Ph.D. degree and undergraduate Computer Science and Computer Engineering degrees. Faculty are expected to excel in classroom teaching and to lead highly-visible research projects that attract substantial external funding. More information about the department can be found at: <http://cse.nd.edu/>

Applicants must submit a CV, a teaching statement, a research statement, and contact information for three professional references at <https://apply.interfolio.com/65332>.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

Review of applications will begin on December 15, 2019, and will continue until the position is filled.



The UNIVERSITY of OKLAHOMA
Gallogly College of Engineering
School of Computer Science

Tenured, Tenure-Track Faculty Positions in Cybersecurity/AI/ML/HPC

The School of Computer Science in the Gallogly College of Engineering at the University of Oklahoma (OU) is seeking applications for four tenured/tenure-track faculty positions with demonstrated research skills in one or more areas of artificial intelligence/machine learning (AI/ML), cybersecurity, and high-performance computing (HPC). We have the following open positions:

1. Cybersecurity with special interest in embedded systems software at the level of associate or full professor, located at the University's Schusterman Center in Tulsa. This position is a leadership position and will have an additional role as an Associate Director (<https://apply.interfolio.com/69232>).
2. HPC with an emphasis in meteorological applications, e.g., numerical modeling of weather and climate, at the rank of associate or full professor, located at the University's Norman Campus. This is a joint position with the School of Meteorology (SoM) (<https://apply.interfolio.com/69230>).
3. Cybersecurity with special interest in embedded systems software at the level of assistant professor, located at the University's Norman Campus (<https://apply.interfolio.com/69228>).
4. AI/ML at the rank of assistant professor, located at the University's Norman Campus (<https://apply.interfolio.com/69228>).

The School of Computer Science has strong collaborative research relationships within the Gallogly College of Engineering and with research groups in the College of Atmospheric and Geographic Sciences, the Mewbourne College of Earth and Energy, and the College of Arts and Sciences. The candidate for the HPC position, in particular, is expected to work extensively along-side faculty in the School of Meteorology (SoM), with opportunities for collaborative research for the AI/ML candidate as well. In addition, we are actively seeking individuals in areas of AI/ML and HPC who can collaborate with researchers in OU's Stephenson Cancer Institute, OU's Harold Hamm Diabetes Center, and other programs at OU's Health Sciences Center. The state of Oklahoma has several aerospace and defense companies employing thousands of engineers. We will be seeking individuals for the embedded systems software position who can collaborate with these industry groups.

All candidates must hold a Ph.D. degree in Computer Science or related fields, be able to teach courses at all levels, and advise M.S. and Ph.D. students. More senior positions require concomitant levels of experience beyond the doctorate. The School of Computer Science offers B.S., M.S., and Ph.D. degrees in Computer Science, and, in conjunction with the School of Industrial and Systems Engineering, M.S. degrees in Data Science and Analytics. More information regarding our programs and their strengths can be found at <https://cs.ou.edu>.

The Gallogly College of Engineering holds strong the values of diversity, equity, and inclusion. We seek candidates who contribute to fostering an inclusive culture in all aspects of faculty responsibility, including within the classroom, the academic community, and their professional commitments. Candidates should include in their cover letter a discussion of how they have or intend to promote the values of diversity, equity, and inclusion.

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. The University of Oklahoma, recognizing its obligation to guarantee equal opportunity to all persons in all segments of University life, reaffirms its commitment to the continuation and expansion of positive programs that reinforce and strengthen its affirmative action policies. This commitment stems not only from compliance with federal and state equal opportunity laws but from a desire to ensure social justice and promote campus diversity. Our commitment to the concept of affirmative action requires sincere and cooperative efforts throughout all levels of our employment structure. We will continue to strive to reach the goals of fair and equal employment opportunities for all.

The application package should include 1) a single-page cover letter explaining your interest in one of these positions and the discussion of your values of diversity, equity, and inclusion, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) a list of at least three references. Application packages should be submitted via soonerway.ou.edu. Inquiries about the position can be addressed to Professor Sridhar Radhakrishnan, chair of the search committee, at Sridhar@ou.edu. Applications submitted before December 16, 2019, will be ensured full consideration.

University of Pittsburgh

Teaching Faculty Positions

The School of Computing and Information at the University of Pittsburgh is conducting a search for teaching faculty in all school departments: Computer Science (CS), Informatics and Networked Systems (DINS) and Information Culture and Data Stewardship (ICDS). The School of Computing and Information is committed to hiring the next generation of faculty who will teach both foundational and elective courses that prepare students for both careers in industry and admission to top graduate programs in the various disciplines. The School of Computing and Information has a polymathic approach to education and is looking especially for faculty who espouse this approach. As we build and expand the school, it is also crucial that we continue to strengthen our leadership in addressing **underrepresentation by fostering a diverse, inclusive, and equitable environment for students, faculty, and staff.**

About the Position

At the School of Computing and Information, we pride ourselves on supporting and recognizing our teaching faculty. Our positions are long-term, career-oriented and renewable, and have established paths for promotion. Teaching faculty positions within the school include assistant professor, associate professor, full professor and professor of practice. These positions offer exciting and long-term opportunities to teach and develop novel undergraduate and

graduate programs in computer science, information science, library science, and networked systems, including the rethinking of curricula to reflect emerging concepts, new skills, and the integration of computing and information into other disciplines. We strongly encourage scholars to apply who have experience working with diverse students and have made an investment in embedding inclusion in their teaching. Individuals filling these openings will have a unique opportunity to develop inclusive curricula foundational to an intellectually vibrant and successful academic community.

We are especially looking for candidates whose academic and professional backgrounds include expertise in one or more of the following areas: Cloud Computing, Information Retrieval, Text Mining, Networking, Cybersecurity, Computer Systems, Computer Theory, Computer Algorithms, Health Informatics, Artificial Intelligence, Data Science, Information Technology and Society, Data Curation and Digital Humanities.

About the School of Computing and Information

The University of Pittsburgh is ranked among the top 20 public colleges and universities in the 2020 U.S. News & World Report Best Colleges rankings.

The School of Computing and Information (SCI) is the newest school at the University of Pittsburgh, and is in a period of growth. SCI currently offers undergraduate degrees in Computer Science, Information Science, Computational Biology [in partnership with the Dietrich School] and Digital Narrative

and Interactive Design [in partnership with the Dietrich School]. The last two majors are newly developed and fit with the school's overarching theme of polymathic education for our students. Several additional undergraduate polymathic majors are also currently in development. SCI also has several graduate programs, including the MS and PhD degrees in Computer Science and Information Science, and the MLIS (Master of Library and Information Science) degree.

The School of Computing and Information also has recently launched a Professional Institute that provides specialized education to working professionals in information technology fields (see: <https://www.sciprofessional.pitt.edu>). Furthermore, in order to support our numerous interdisciplinary research programs, we have created the Modeling and Managing Complicated Systems (momacs) Institute (see: <https://www.momacs.pitt.edu>). SCI faculty have the opportunity to be involved in both of these endeavors.

About Pittsburgh

Pittsburgh is a thriving metropolis with small-city charm and has received national and international accolades for the quality of life, amenities, and livability over the last several years. Pittsburgh is recognized for being:

- Most livable in the Continental US - The Economist
- 17th Most Affordable City - Forbes Magazine
- The New Cool - Forbes
- A "Best Place to Live" - Time

To learn more about Pitt's cool factor visit <https://www.coolpgh.pitt.edu/live>

Minimal Qualifications

Applicants for assistant, associate and full professor must hold a PhD in Computer Science, Information Science, Library Science, or a related area, by the start of the position.

Applicants for professor of practice must hold a Masters in Computer Science, Information Science, Library Science, **or a related area.** **In addition, candidates should have 5 to 10 years of work experience.**

Application Process

Individuals interested in these openings may apply at (<https://sci.pitt.edu/r/as>). Please provide the following

- A cover letter that reflects on your interest and alignment to SCI's teaching mission
- A curriculum vitae
- A teaching statement describing your teaching philosophy
- A diversity statement that highlights your experiences with diversity in teaching as well as service, and your potential to support SCI's commitment to building and fostering an inclusive environment
- The names and contact information for at least three recommenders for professor of practice and assistant professor level, and six recommenders for associate or full professor levels
- Teaching evaluations if available

Application review will begin immediately and applications will be accepted until

all positions are filled. Candidates are encouraged to apply as soon as possible. We anticipate that individuals will be invited to interview on campus starting in January 2020. For best consideration, please apply by January 15, 2020. The anticipated start date is September 1, 2020.

Questions about the search and or application status should be mailed to sci-recruit@pitt.edu.

The University of Pittsburgh is an affirmative action and equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status.

University of Pittsburgh

Tenure Track Positions

The School of Computing and Information (SCI), founded in 2017, aims to create and harness data-driven technology, science, and expertise to improve the security, performance, and understanding of complicated, interacting natural, social, and engineered systems.

SCI has multiple tenure-track positions available in all areas at the Assistant Professor, Associate Professor, and Full Professor ranks. We seek individuals who can think and work across boundaries and who see themselves as leaders, dynamic, and cross-disciplinary scholars. We are motivated to bring together scholars who are advancing computing and information areas with experts in other fields, to collaboratively address

complex challenges, and to contribute to the school's mission of modeling and managing complicated, interacting systems. Our recent hires have included transdisciplinary scholars in computational social science and medical imaging analysis for neurodegenerative diseases.

Advancement of SCI's mission requires not only transdisciplinary scholars but also expertise in traditional areas of computer, information, and library science, and we encourage applications from individuals working across the entire spectrum of research in these disciplines, including but not limited to artificial intelligence; machine learning; Internet of Things; cognitive science; social informatics; data management; data visualization; digital equity; cloud and high-performance computing; cyber-physical systems; security and privacy; computational modeling, networking and others. Our recent hires in these areas have expertise in high performance computing, resilient networks, distributed systems and cyber-physical systems, and human computer interaction.

As part of our commitment to excellence, the School of Computing and Information admits students directly to their four-year undergraduate programs, and the faculty have created multiple interdisciplinary polymathic academic programs (undergraduate and graduate levels), in addition to the newly created Professional Institute that provides specialized education to working professionals in information technology fields. The School has also created the Modeling and Managing Complicated Systems (momacs) Institute to translate the science and

technology of modeling and managing complicated, interacting systems into practice to address today's most pressing challenges. SCI has numerous connections to centers, institutions, and companies in the region, including the University of Pittsburgh School of Medicine, the Center for Causal Discovery, the Center for Energy, the Center for Governance and Markets, the Pittsburgh Supercomputing Center, the Center for the Neural Basis of Cognition (Pitt/CMU), the City of Pittsburgh, Google, Uber, Oculus, Argo AI, and many others. Through these connections, there are ample opportunities to collaborate broadly and build multi-disciplinary research teams of the highest caliber. As we build and expand these initiatives, it is crucial that we continue and strengthen our leadership in addressing underrepresentation by fostering a diverse, inclusive, and equitable environment for students, faculty, and staff. Additionally, Pitt has policies to promote a healthy work-life balance and programs to meet the needs of two career couples.

The University of Pittsburgh is a top ranked public research university located in the heart of the city of Pittsburgh. Pittsburgh is a vibrant hub of education, technology, and medicine, with many startups and established companies throughout the region. The region offers an exceptionally high quality of life, with low cost housing, excellent secondary schools, abundant outdoor activities, and rich cultural attractions well beyond other cities of its size. The Wall Street Journal/Times Higher Education recently ranked

Pitt as the top public university in the Northeast, and Pitt is ranked among the top 20 public colleges and universities in the 2020 U.S. News & World Report Best Colleges rankings.

Minimum Qualifications

- Hold a PhD in a computing or information related field by the start of the appointment.
- Research outcomes in relevant areas, published in respected peer-reviewed academic conferences and/or journals.
- Promise for high-quality teaching, command of subject matter, and ability to organize and convey material effectively to students.
- Willingness and interest to participate in departmental, school and professional activities.
- In addition, applicants at the associate level are required to show:
- Evidence of a successful research program, including research funding, publications in highly-rated scholarly venues, invitations to present at the national and international level, and the ability to advise graduate students; accomplishments as an educator and evidence for continuous growth, including teaching strategies; and a commitment to professional activities and service to their institution and the wider community.
- Applicant at the professor level are required to further have:
- A distinguished record of academic achievements with national or international recognition; innovation in

approaches to learning and incorporation of new educational methods and technologies; leadership that extends beyond teaching and research to embrace the priorities of SCI, the university and the wider research community.

Individuals interested in these openings may apply at <https://sci.pitt.edu/r/its/>. Please provide the following to complete your application:

- A cover letter reflecting on your interest and alignment with SCI's mission
- A curriculum vitae
- A research statement describing your current and future research
- A teaching statement describing your teaching philosophy
- A statement describing your experiences with diversity in your research, teaching, or service, and your potential to support SCI's commitment to building and fostering an inclusive environment
- The names and contact information for at least three recommenders for assistant professor level, and six recommenders for associate or full professor levels

Application review will begin immediately and applications will be accepted until all positions are filled. Candidates are encouraged to apply as soon as possible. We anticipate that individuals will be invited to interview on campus starting in January 2020. For best consideration, please apply by December 31, 2019. The anticipated start date is September 1, 2020. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of

opportunity, human dignity and diversity, EOE, including disability/vets.

Questions about the search and/or application status should be emailed to sci-recruit@pitt.edu. Nominations and inquiries for senior openings may be sent in confidence to the Search Committee Chair, Professor David Tipper, Department of Informatics and Networked Systems, dtipper@pitt.edu

University of Richmond

*Department of Mathematics and
Computer Science*

Assistant Professor of Computer Science

The University of Richmond invites applications for a tenure-track Assistant Professor position in Computer Science to begin August 2020.

For additional information and to apply, please visit: <https://richmond.csod.com/ats/careersite/JobDetails.aspx?site=1&id=1871>

University of Rhode Island

*Founding Director, IT Research
Computing Services*

Academic Career & Executive Search is pleased to assist the University of Rhode Island in their search for a Founding Director, IT Research Computing Services.

This is an extraordinary opportunity for a results-driven strategist and collaborative leader to serve as the Founding Director, IT Research Computing Services within a

public R2, land-grant, sea-grant, flagship university serving over 17,000 students.

The University of Rhode Island is on the move enjoying over a decade of continued growth and success including a 66% increase in funded research, 15% increase in graduation rates, 12% increase in retention rates, 80+% increase in faculty publications and enrollment at its highest level. The University was also named by APLU as one of three finalists for their degree completion award.

As the Founding Director, IT Research Computing Services the successful candidate will design, develop and lead IT Research Computing Services as the University continues its upward trajectory of engaging in higher levels of research across the University. The successful candidate is highly collaborative, interdisciplinary and possesses both strategic and tactical abilities as they develop a centralized solution to support the diverse current and future needs and interests of all stakeholders.

To learn more, please visit: <https://acesrch.applicantstack.com/x/detail/a21esjy0f9wt?sort=0&sortdir=a>

University of Rochester

Tenure-Track Faculty Positions

The Computer Science Department at the University of Rochester (<http://www.cs.rochester.edu>) seeks applicants for tenure-track faculty positions. Candidates in all areas of computer science and at any level of seniority are encouraged to apply. We have a distinguished history

of research in artificial intelligence, human-computer interaction, systems, and theory. We are continually on the lookout for unique hiring opportunities and synergies, including but not limited to growing and complementing our strengths in theory, security, natural language processing, machine learning, and advanced AI (e.g., multimodal, explainable, edge, health).

Candidates must have (or be about to receive) a doctorate in computer science or a related discipline. Applications should be submitted online (at <https://www.rochester.edu/faculty-recruiting/login>) no later than January 1, 2020, for full consideration; submissions beyond this date risk being overlooked due to limited interview slots.

We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments, including brain and cognitive science, electrical and computer engineering, linguistics, optics, biomedical engineering, the laboratory for laser energetics, the school of education, and several departments in the medical center. Recent faculty hires have received a host of national honors, including the NSF CAREER and CRII awards, the MIT TR35 award, honorable mentions in ACM dissertation competitions, multiple Google research awards, and best paper designations at top-tier conferences.

The department is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in higher education.

We have a vibrant Women in Computing community, and are a charter member of the ABI/HMC BRAID Initiative. With funding from major industrial sponsors, BRAID works to foster diversity and inclusivity in the undergraduate program and to rigorously evaluate factors that contribute to change. We are actively working to improve the environment for all underrepresented groups.

The University of Rochester, an Equal Opportunity Employer, has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education.

EOE Minorities/Females/Protected Veterans/Disabled

University of South Carolina

College of Engineering and Computing (CEC)

Artificial Intelligence Institute

Multiple Open-Rank Faculty Positions

The Artificial Intelligence (AI) Institute (<http://ai.sc.edu>) is a new university-wide institute engaged in core AI research, as well as high-impact interdisciplinary research involving AI implementations and applications. It is an outcome of the university's Presidential Excellence Initiative, which seeks to bring national prominence to our college and university through AI research and its economic impact. We seek multiple tenured and tenure-track faculty members at all ranks in

core-AI and in interdisciplinary fields at the intersection with engineering disciplines.

- Applicant is required to possess a Ph.D. degree in computer science or a closely related field by the beginning date of employment and have a demonstrated superior record of research accomplishments.
- The successful applicant is expected to develop internationally recognized, externally-funded research programs that broaden the institution's strengths, leverage interdisciplinary collaborations (<http://bit.ly/Allnst>), and align with vital cross-cutting research themes (eg. smart & connected communities, healthcare transformations, and agile manufacturing).

Research areas of special interest include:

- Human in the loop or knowledge-enhanced AI, deep learning/MMML, NLP, QA/conversational AI, brain-inspired computing;
- AI and Big data (incl. sensor, social, health, biological);
- AI and computer vision, robotics, CPS, human-computer interaction, autonomous vehicles, etc.

The faculty will have an appointment with the new AI Institute with a tenure-track or tenured appointment in CSE (<http://cse.sc.edu>) or another department in the college (<http://cec.sc.edu>). CEC is ranked among top 100 engineering colleges in the nation, and has many NSF CAREER Award recipients (e.g., CSE has 10). Teaching load is very attractive. The AI Institute has exceptional infrastructure and resources including 20,000 sq. ft. space.

Review of applications will begin November 1, 2019 and continue until positions are filled. Expected start date January 1, 2020 or later. All applicants must apply online at <http://uscjobs.sc.edu/postings/67450>. Qualified candidates must include: (1) letter of intent, (2) curriculum vitae, (3) concise description of research plans, (4) teaching plan, and (5) names and contact information of 3 references for a junior faculty rank and 5 references for a senior faculty rank (references can be contacted later in the process for a senior position). For questions or further information, please contact Dr. Amit Sheth (amit@sc.edu).

The University of South Carolina does not discriminate in educational or employment opportunities on the basis of race, sex, gender, age, color, religion, national origin, disability, sexual orientation, genetics, protected veteran status, pregnancy, childbirth or related medical conditions.

University of South Dakota

Assistant Professor Computer Science

The Department of Computer Science at The University of South Dakota (USD) invites applications for one tenure-track position at the Assistant Professor level.

For more information and to apply, please visit <https://yourfuture.sdbor.edu>

University of Tennessee

Knoxville, TN

Three (3) Assistant or Associate Professor Positions in Computer Science and Computer Engineering

The Department of Electrical Engineering and Computer Science (EECS) at The University of Tennessee, Knoxville (UTK) is seeking candidates for three (3) tenure track faculty members at the assistant or associate professor level. Applicants should have an earned Ph.D. in Computer Science, Computer Engineering, or a related field by time of appointment.

The department has sustained an ambitious growth period over the past six years. This year, we are strategically targeting areas of **(1) cybersecurity; (2) data analytics, machine learning, and artificial intelligence; and (3) Internet of Things (IoT), embedded systems, edge computing, and mobile computing systems.** In all three cases, the area of interest is defined broadly. Apply at <https://academicjobsonline.org/ajo/jobs/15198> and submit a cover letter, a curriculum vitae, a statement of research and teaching interests, and contact information for a minimum of three professional references. Applicants should have a demonstrated commitment to and knowledge of equal employment opportunity and affirmative action. Application deadline: December 15, 2019. Applications received after the deadline may be considered until the position is filled.

UTK is the state's flagship campus and leading research institution with a strong

partnership with the nearby Oak Ridge National Laboratory (ORNL), where many UTK faculty have ongoing joint positions and/or joint research projects.

EECS at UTK has 49 full-time faculty members, 4 members of the National Academy of Engineering, 17 IEEE Fellows, and 12 NSF/DOE CAREER awardees. The department is housed in a new \$37.5 million building completed in 2012 and has an annual research expenditure exceeding \$25 million. EECS has a growing enrollment of over 825 undergraduate and 275 graduate students across the three majors of Electrical Engineering, Computer Engineering, and Computer Science. In addition, the department is offering an undergraduate minor in cybersecurity, a minor in datacenter technology and management, and developing a minor in data science. Successful faculty candidates will be expected to contribute to the continued growth and excellence of EECS.

UTK is located in Knoxville TN, within an easy driving distance to Asheville, Nashville, Atlanta and the Great Smoky Mountains. The City of Knoxville is a hidden gem with an elegant and walkable downtown, rich and varied nightlife cultures, vibrant neighborhoods, eclectic restaurants, and amazing access to outdoor activities of all kinds as well as exciting cultural events throughout the year. From Knoxville's TYS Airport, Knoxville has nonstop flights to 22 major airports in the US, including direct flights to cities such as DC, NYC, Atlanta, Chicago, Denver, and Miami. Furthermore, the City of Knoxville and the surrounding areas

boast great K-12 schools and one of the most highly educated populations in the entire US.

From 2007 to 2017, Tennessee's overall economy growth ranked #7 among all 50 US states. In 2019, US News ranks the State of Tennessee in the US as the #1 in fiscal stability, #12 in economy, and #13 in infrastructure.

For any additional questions, please contact Search Committee Chair: Prof. Jian Huang, EECS, University of Tennessee, Knoxville, at huangj@utk.edu.

The University of Tennessee is an EEO/AA/Title VII/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status.

University of Texas

Assistant Professor (Tenure-Track) in Computer Science

The Department of Computer Science of the University of Texas at Austin invites applications for tenure-track Assistant Professor positions. Outstanding candidates in all areas of Computer Science will be considered.

All tenure-track positions require a Ph.D. or equivalent degree in computer

science or a related area at the time of employment. Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students in research. The department is committed to building a diverse faculty and we are interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

The department is ranked among the top ten computer science departments in the country and is a core unit of Texas Computing. <https://computing.utexas.edu>. It has 50 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), the Oden Institute for Computational Engineering and Science, and the Texas Robotics Consortium.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as Amazon, Google, Dell, Inc., IBM Corp., Advanced Micro Devices (AMD), Apple Computer, Inc., Applied Materials, AT&T, National Instruments, Samsung and 3M Corporation. For more information about the department, please visit <http://www.cs.utexas.edu>.

All faculty positions require a cover letter, current curriculum vita, research statement, teaching philosophy and selected publications. For tenure-track positions, at least three (3) reference letters are required.

Robotics Candidates: If your research area is robotics, please also send your cover letter and CV to faculty_jobs_robotics@utlists.utexas.edu along with an indication that you have applied to the Computer Science Department. This will ensure that your application is connected to the university-wide robotics search.

To apply for a tenure-track position on-line at <https://apply.interfolio.com/68402>

For full consideration of your application, please apply by December 1, 2019. Applications received prior to December 1 (including all reference letters) will be reviewed immediately upon application submission. Early submission before November 15, 2019 is strongly encouraged. We anticipate inviting successful candidates whose applications are completed early to begin the interview process as soon as their applications have been evaluated. Applications received after December 1, 2019 will be considered in total on a space available basis only. Inquiries about your application may be directed to faculty-search@cs.utexas.edu. The University of Texas is an Equal Opportunity Employer.

The University of Texas at Arlington

Assistant/Associate Professor

The Computer Science and Engineering Department at The University of Texas at Arlington invites applications for 3 tenure-track/tenured assistant/associate professor positions with a tentative start date in Fall 2020. The areas of the following position

titles are intended to be interpreted broadly (e.g., "Cyber-Physical Systems" may include embedded systems, hybrid systems, sensors, vision, IoT, cybersecurity, feedback systems, actuation, digital fabrication, and related areas):

- Assistant/Associate Professor - AI / Machine Learning / Robotics
- Assistant Professor - Cyber-Physical Systems
- Assistant/Associate Professor - Cyber-Physical Systems

To apply, please go to <https://uta.peopleadmin.com/postings/10800> and submit the following materials: cover letter, curriculum vitae, research plans, teaching philosophy, and contact information of at least three references (at least five references for Associate Professor candidates). Senior candidates should also include unofficial course evaluations. All candidates should also include a statement of contribution to diversity, equity, and inclusion.

Review of applications will start November 15, 2019, and will continue until the positions are filled.

Questions about the openings should be addressed to cli@uta.edu or csallner@uta.edu.

EEO/AA Policy

UTA is an Equal Opportunity/Affirmative Action Institution. Minorities, women, veterans, and persons with disabilities are encouraged to apply. Additionally, the University prohibits discrimination in employment on the basis of sexual



Assistant Professor (Tenure Track) - Multi-ethnic Bio-omics Dell Medical School

The <https://bridgingbarriers.utexas.edu/whole-communities-whole-health/> initiative, the Department of Population Health, and the Biomedical Data Science Hub in the Dell Medical School at The University of Texas at Austin invite applications for the position of Assistant Professor in the novel area of Multi-ethnic Bio-omics.

The successful candidate for this position will be joining the UT Austin faculty as part of the provost's <https://provost.utexas.edu/cluster-and-interdisciplinary-hiring-initiative/> and will join an interdisciplinary group of scholars participating in the University's Bridging Barriers Grand Challenge initiative, Whole Communities-Whole Health. The candidate will have an appointment in one of several participating Departments in the <https://dellmed.utexas.edu/> or the <https://cns.utexas.edu/>, which may include the Biomedical Data Science Hub, and/or any of the Departments of Population Health, Statistics and Data Science, Integrative Biology, or Molecular Biosciences, and will be expected to actively participate as a core member of Whole Communities-Whole Health. Contributions to the cluster will be an important facet of the faculty member's annual performance evaluations and consideration for promotion and tenure.

<https://bridgingbarriers.utexas.edu/whole-communities-whole-health/> is a 10-year campus-wide initiative with the goal of understanding the effects of early life adversity on health and development by building an innovative, replicable, field-based research and intervention model that leverages advances in community engagement, bio-behavioral and environmental measurements, and system data informatics. Whole Communities-Whole Health aims to revolutionize how we conduct community-based cohort studies by first working with communities and families to figure out what questions they have, and then by bringing the most advanced technology and research methods into their homes to help get the answers they need. This position aims to exploit the increasing availability of omics approaches in the multi-ethnic biological characterization of genetics, epigenetics, RNA, protein, hormonal, and immune profiles (areas only beginning to generate attention) to understand and predict health and behavior outcomes.

As part of The University of Texas at Austin, the Dell Medical School is the first medical school established in nearly five decades by a member of the Association of American Universities. An extraordinary commitment of resources, both public and private, have been made to enable its development and success. Dell Med is joining forces with the University's Cluster Initiative to recruit new faculty in this innovative area.

As part of the growing Whole Communities-Whole Health Program, and strongly supported by, and in support of, the BDS Hub, the successful data science candidate will apply their disciplinary skills to advance the theory and applications of multilevel and big data in health and behavior biosciences. The successful applicant will be a data scientist with a strong biosciences background who can appropriately collaborate with biologists, integrate such data with available biological knowledge, and create strategies for merging biological data with complex individual and group-level sociocultural data. We seek individuals interested in applying their training and methods development to the study of human diversity and multi-ethnic subgroups, differential and comparative biology targeted toward understanding adversity, and how adversity sequelae are differentially or variably expressed in underrepresented groups.

Applicants should also have a strong commitment to teaching and mentoring with a focus on enhancing equity and inclusion in the field and in practice. UT Austin is an equal opportunity employer committed to excellence through diversity. We are especially interested in candidates who can contribute to our commitment to the engagement and inclusion of diverse audiences in higher education through research, teaching at all levels, mentorship of graduate students and postdocs, and service. UT Austin is dedicated to work-life balance through an array of family-friendly policies (<https://provost.utexas.edu/faculty-affairs/life-and-work/>).

Essential duties and responsibilities include:

- Conduct, publish, and disseminate a balance of methodological and collaborative research in biomedical data science.
- Develop and maintain an independent methodologically oriented research program which will include attracting and maintaining external funding.
- Train graduate students and/or teach courses as needed.
- Participate in professional, university, and community service appropriate to rank.
- Participate vigorously in the Whole Communities-Whole Health initiative.

Qualifications

- PhD (or related doctoral degree) in Computational Biology, Bioinformatics, Biomedical Data Science, Systems Biology, Computer Sciences (with machine learning), Biostatistics, or a closely related quantitative area, with demonstrated potential for excellence in research.
- Demonstrated expertise in the development of new methods.
- Ability and demonstrated interest in collaborative research biomedical investigation and/or public health investigation.
- Demonstrated excellent teaching skills.
- Outstanding leadership skills.
- Eligible for a faculty appointment with UT Austin.

Application Instructions

Review of applications will begin December 16, 2019 and will continue until the position is filled. To ensure full consideration, please provide all requested materials by December 29, 2019.

Only electronic applications will be accepted via Interfolio. Upload the following materials:

- Full Curriculum Vitae (C.V.)
- A cover letter with contact information (1 page)
- Research Statement that includes research accomplishments and future research direction (2 pages)
- Teaching Statement that includes the courses that you would be interested in and willing to teach (2 pages)
- Equity, Diversity, and Inclusion (EDI) statement detailing how your teaching, service, advising and/or scholarship has helped or will help to address education, health and/or social disparities (1 page)
- A list of 3 professional references with contact information

Equal Employment Opportunity Statement

The University of Texas at Austin, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, national origin, age, marital status, sex, sexual orientation, gender identity, gender expression, disability, religion, or veteran status in employment, educational programs and activities, and admissions.

To apply, visit <https://apptkr.com/1722569>

orientation. A criminal background check will be conducted on finalists. UTA is a tobacco-free campus.

University of Texas at Austin

Open-rank Tenured/Tenure-Track Faculty

The School of Information at the University of Texas at Austin invites applications for 3 tenured or tenure-track faculty positions to start in Fall 2020. Rank and salary for successful candidates will be commensurate with qualifications and experience. We are seeking colleagues who will contribute to research and to teaching at both the graduate and undergraduate level. We welcome applicants representing a broad range of interests and strengths and are particularly interested in candidates with expertise in the following areas: informatics, digital archives and archival studies, cultural heritage informatics, social justice informatics, human-computer interaction, user experience design, health informatics, and human-centered data science.

For more information on how to apply, please visit <https://www.ischool.utexas.edu/facultysearch>.

University of Texas at Dallas

Computer Science Faculty

The Department of Computer Science at The University of Texas at Dallas

invites applications from outstanding applicants for multiple tenure-system positions in Computer Science. Candidates in all areas of computer science will be considered, though the department is particularly interested in virtual/augmented reality, human-computer interaction, data science, cybersecurity, AI, quantum computing, and IoT. Candidates must have a PhD degree in Computer Science, Software Engineering, Computer Engineering or equivalent. The positions are open for applicants at all ranks. Candidates for senior positions must have a distinguished record of research, publication, teaching, and service, and demonstrated leadership ability in developing and expanding (funded) research programs. An endowed chair may be available for highly qualified senior candidates. Junior candidates must show outstanding promise.

The department offers BS, MS, and PhD degrees both in Computer Science and Software Engineering. It also offers degrees in Data Science, Computer Engineering, and Telecommunications Engineering that are jointly administered with other departments. Currently, the department has a total of 50 tenure-system faculty members and 44 full-time senior lecturers. The department is housed in a spacious 150,000 square feet facility and has excellent computing equipment and support. In areas such as natural language processing/AI, software engineering and embedded systems, the department ranks within the top seven on csrankings.org. The

department also houses a number of centers and institutes, particularly in the areas of cybersecurity, human language technology, and net-centric software, and applied AI and machine learning.

The university is located in the most attractive part of the Dallas metropolitan area. There are over 1,000 high-tech companies within a few miles of the campus, including Texas Instruments, Walmart Labs, AT&T, Fujitsu, Raytheon, Rockwell Collins, and Cisco. The DFW

metroplex has one of the highest concentrations of high-tech jobs in the nation. Opportunities for joint university-industry research projects are excellent. The department averages approximately \$9 million in extramural research funding annually, ranking 37th in the ASEE (2016) survey of research expenditures. The University and the State of Texas are also making considerable investment in commercialization of technology; a start-up business incubation center has been operational at UT Dallas since 2011.

Applicants should upload a letter of interest; curriculum vitae; statements of research interest and teaching philosophy/experience; teaching evaluations (if available); and the full contact information for at least three academic or professional references via the online application at <http://jobs.utdallas.edu/postings/13359>

For more information, contact Dr. Gopal Gupta, Department Head, via email (gupta@utdallas.edu) or send e-mail



Faculty Positions in Computer Science

The Department of Computer Science (CS) at The University of Texas at San Antonio (UTSA) invites applications for one tenure-track Assistant Professor and two open-rank positions (Assistant, Associate or Full Professor) starting in Fall 2020 in the general areas of algorithms/theory, computer systems/big data, and data science/artificial intelligence. Internationally recognized outstanding candidates in other areas are also encouraged to apply. The upcoming cluster hirings in augmented reality / virtual reality and in quantum communication and computing are also seeking CS faculty with strong collaborative potential with other disciplines. We seek faculty members who embrace excellence and diversity with a strong commitment to teaching, mentoring, and collaboration. UTSA especially seeks to grow its faculty ranks of women and underrepresented minorities. The salary and start-up packages for the positions are highly competitive. For enquiries and nominations, please contact the department chair at sushil.prasad@utsa.edu.

Review of applications will begin on Oct 21, 2019 and continue until the positions are filled. See <https://apptrkr.com/1637401> for more information on the Department and application instructions.

The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

Department of Computer Science
RE: Faculty Search
The University of Texas at San Antonio
One UTSA Circle
San Antonio, TX 78249-0667
Phone: 210-458-4436



Two Open-rank Faculty Cluster Hiring in Computer Science Augmented/Virtual Reality and Quantum computing

The Department of Computer Science (CS) at The University of Texas at San Antonio (UTSA) invites applications for open-rank cluster hiring positions starting in Fall 2020 in the following areas, with strong collaborative potential with other disciplines:

- Immersive technology applications and XR Human factors/Human Computer Interaction areas: Applications received by November 22, 2019 will be given first preference for consideration.
- Quantum Computing and Quantum Information systems areas: Applications received by November 15, 2019 will be given first preference for consideration.

We seek faculty members who embrace excellence and diversity, with a strong commitment to teaching, mentoring, and collaboration. UTSA especially seeks to grow its faculty ranks of women and underrepresented minorities. The CS department is well-known for its cybersecurity programs and will play a significant role in the shaping of the newly formed School of Data Science (<https://www.utsa.edu/strategicplan/tactical-initiatives/sds/index.html>) (also hiring a School Academic Director and a Chief Data Strategist) and the National Security Collaboration Center (<https://www.utsa.edu/strategicplan/tactical-initiatives/nsccl/index.html>), a combined \$100M initiative. Annual research expenditures in the department average \$4M to \$5M. The department fosters an excellent research and mentoring environment for faculty, in particular for early career faculty. This has resulted in nine NSF CAREER awards since 2005, among a strong portfolio of external awards.

The University, a Hispanic Serving Institution, is on a significant growth trajectory and is embarking on an ambitious plan toward becoming a model for student success, a great public research university, and an exemplar for strategic growth and innovative excellence backed up by significant resources and multipronged initiatives (<https://www.utsa.edu/strategicplan/index.html>). Therefore, salary and start-up packages for the positions are highly competitive. For enquiries and nominations, please contact the department chair at sushil.prasad@utsa.edu.

See <https://cs.utsa.edu/fsearch> for more information on the cluster hiring and application instructions.

The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

to cs-search@utdallas.edu or view the web page at <http://cs.utdallas.edu>

The search committee will begin evaluating applications on January 15, 2020. Applications received on or before January 15 will get the highest preference.

The University of Texas at Dallas is an equal opportunity/affirmative action employer (M/F/D/V).

University of Texas Rio Grande Valley

Assistant Professor of Computer Science

The Department of Computer Science at the University of Texas Rio Grande Valley (UTRGV) invites applications for two Tenure-Track Assistant Professor faculty positions in Computer Science to begin in Fall 2020.

Please see the full descriptions of these positions at the following links: <https://careers.utrgv.edu/postings/23120> and <https://careers.utrgv.edu/postings/23073>.

University of Toronto

Associate Professor/Professor - Artificial Intelligence/ Data Science/ Information Engineering

The Department of Mechanical & Industrial Engineering at the University of Toronto invites applications for one full-time, tenure stream faculty position in the area of data-driven Industrial Engineering at the rank of Associate Professor or Professor, starting July 1, 2020, or shortly thereafter.

Candidates must have a PhD in industrial engineering, computer science, or a related discipline. Candidates will have an established international reputation in the development and application of Artificial Intelligence (AI) and Machine Learning (ML) methodologies for Information Engineering. Candidates will be expected to sustain and lead innovative and independent research at the highest international level and to maintain an outstanding, competitive, and externally funded research program. The successful candidate will have previous experience in graduate student supervision, and undergraduate teaching in both AI/ML and Information Engineering. It is preferred that candidates have an undergraduate degree in engineering and to be eligible for registration as a Professional Engineer.

We seek candidates whose research and teaching interests complement and strengthen our existing departmental strengths. The successful candidate will be involved in undergraduate and graduate teaching, research, and departmental service. Evidence of an exceptional record of excellence in research and teaching are required.

The successful candidate must provide evidence of excellence in research through an established international reputation, as demonstrated by leadership in the academic community, editorships, research output, awards and accolades. Excellence in research will be evidenced primarily by sustained contributions and the quality of publications in top-ranked and field relevant journals and conferences, the submitted research

statement, strong letters of reference from referees of high international standing, and noteworthy activities that contribute to the visibility and prominence of the discipline.

Excellence in teaching should be demonstrated by a strong statement of teaching philosophy, sample course syllabi, excellent teaching evaluations, strong endorsements from referees, and the teaching dossier submitted as part of the application.

Salary will be commensurate with qualifications and experience.

Established in 1827, the University of Toronto is Canada's largest university, recognized as a global leader in research and teaching. U of T's distinguished faculty, institutional record of groundbreaking scholarship and wealth of innovative academic opportunities continually attract outstanding students and academics from around the world. The Department of Mechanical & Industrial Engineering at the University of Toronto is home to the top mechanical and industrial engineering programs in Canada. We foster a world-class environment that excels in teaching, learning and research.

All qualified candidates are invited to apply online by clicking on the link below. Applications must include a cover letter, curriculum vitae, teaching dossier (including a statement of teaching philosophy, sample syllabi, and teaching evaluations), a substantial article-length writing sample, and a statement outlining current and future research interests. If

you have questions about this position, please contact chair@mie.utoronto.ca.

Applicants must also ask three referees to send letters (on letterhead and signed) directly to the department via e-mail to chair@mie.utoronto.ca. Reference letters must be received by the closing date.

All application materials, including reference letters, must be submitted by the closing date of January 7, 2020.

Submission guidelines can be found at <http://uoft.me/how-to-apply>. We recommend combining attached documents into one or two files in PDF or MS Word format.

For more information on the University of Toronto, and the Department of Mechanical & Industrial Engineering, please visit our website: <http://www.mie.utoronto.ca>.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Toronto

Assistant Professor - Artificial Intelligence/ Data Science/ Information Engineering

The Department of Mechanical & Industrial Engineering at the University of Toronto invites applications for one full-time, tenure stream faculty position in the area of data-driven Industrial Engineering at the rank of Assistant Professor, starting July 1, 2020, or shortly thereafter.

Candidates must have a PhD in industrial engineering, computer science, or a related discipline by date of appointment or shortly thereafter. We seek candidates who demonstrate research excellence in the development and application of Artificial Intelligence (AI) and Machine Learning (ML) methodologies for Information Engineering. An emphasis will be placed on the demonstrated ability to contribute to international-calibre scholarship, graduate student supervision, and undergraduate teaching in both AI/ML and Information Engineering. It is preferred that candidates have an undergraduate degree in engineering and to be eligible for registration as a Professional Engineer.

We seek candidates whose research and teaching interests complement and strengthen our existing departmental strengths. The successful candidate will be expected to pursue innovative and

independent research at the highest international level and to establish an outstanding, competitive, and externally funded research program. The successful candidate will be involved in undergraduate and graduate teaching, research, and departmental service. Evidence of excellence in research and teaching are required.

The successful candidate must provide evidence of excellence in research, primarily by the quality of published papers in top-ranked and field relevant journals and conferences, or a research pipeline that is at high international levels, a submitted research statement, and strong letters of reference from referees of high standing. Further evidence of research excellence can be demonstrated by participation in top conferences, awards and accolades, and presenting research at other highly ranked schools.

Excellence in teaching should be demonstrated by a strong statement of teaching philosophy, excellent teaching evaluations, strong endorsements from referees, and a teaching dossier submitted as part of the application.

Salary will be commensurate with qualifications and experience.

Established in 1827, the University of Toronto is Canada's largest university, recognized as a global leader in research and teaching. U of T's distinguished faculty, institutional record of groundbreaking scholarship and wealth of innovative academic opportunities continually attract outstanding students and academics from around the world.

The Department of Mechanical & Industrial Engineering at the University of Toronto is home to the top mechanical and industrial engineering programs in Canada. We foster a world-class environment that excels in teaching, learning and research.

All qualified candidates are invited to apply online by clicking on the link below. Applications must include a cover letter, curriculum vitae, teaching dossier (including a statement of teaching philosophy, sample syllabi, and teaching evaluations), an article-length writing sample, and a statement outlining current and future research interests. If you have questions about this position, please contact chair@mie.utoronto.ca.

Applicants must also ask three referees to send letters (on letterhead and signed) directly to the department via e-mail to chair@mie.utoronto.ca. Reference letters must be received by the closing date.

All application materials, including reference letters, must be submitted by the closing date of January 7, 2020.

Submission guidelines can be found at: <http://uoft.me/how-to-apply>. We recommend combining attached documents into one or two files in PDF or MS Word format.

For more information on the University of Toronto, and the Department of Mechanical & Industrial Engineering, please visit our website: <http://www.mie.utoronto.ca>.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons /

persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Toronto

Assistant Professor - Teaching Stream - Data and Analytics

The Department of Mechanical & Industrial Engineering at the University of Toronto invites applications for a full-time teaching stream faculty appointment at the rank of Assistant Professor, Teaching Stream, in the general areas of Data Science, Machine Learning, and Big Data Analytics, including the mathematical, statistical, and computational foundations of these disciplines. The appointment will commence on July 1, 2020, or shortly thereafter.

Applicants must have a Ph.D. in Engineering, Computer Science, Statistics, or a related engineering or science field, at the time of appointment or soon after. Applicants must have,

or be eligible for registration as a Professional Engineer in Canada. We seek candidates whose teaching interests complement and strengthen our existing departmental strengths.

The successful candidate will have demonstrated excellence in teaching and pedagogical inquiry, including in the development and delivery of undergraduate and graduate courses, curriculum development, and supervision of student design projects. This will be demonstrated by strong communication skills evident throughout the application process; a compelling statement of teaching submitted as part of the application highlighting areas of interest, awards, accomplishments and teaching philosophy; sample course syllabi and materials; and teaching evaluations, as well as strong letters of reference from referees of high standing endorsing excellent teaching and commitment to excellent pedagogical practices and teaching innovation.

Salary will be commensurate with qualifications and experience.

Established in 1827, the University of Toronto is Canada's largest university, recognized as a global leader in research and teaching. U of T's distinguished faculty, institutional record of groundbreaking scholarship and wealth of innovative academic opportunities continually attract outstanding students and academics from around the world. The Department of Mechanical & Industrial Engineering at the University of Toronto is home to the top mechanical and industrial

engineering programs in Canada. We foster a world-class environment that excels in teaching, learning and research.

All qualified candidates are invited to apply by clicking on the link below. Applications must include a cover letter, curriculum vitae, and teaching dossier (including a statement of teaching philosophy, sample syllabi, and teaching evaluations). If you have questions about this position, please contact chair@mie.utoronto.ca. All application materials must be submitted online by the closing date of February 3, 2020.

Submission guidelines can be found at: <http://uoft.me/how-to-apply>.

We recommend combining attached documents into one or two files in PDF or MS Word format.

Applicants must also ask three referees to send letters (on letterhead and signed), including at least one primarily addressing the candidate's teaching, directly to the department via e-mail to chair@mie.utoronto.ca. Reference letters must be received by the closing date of February 3, 2020.

For more information on the University of Toronto, and the Department of Mechanical & Industrial Engineering, please visit our website: <http://www.mie.utoronto.ca>.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons,

and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Toronto

Multiple Tenure-Stream positions

The Department of Computer Science at the University of Toronto invites applications for multiple tenure-stream positions at various ranks, starting July 1, 2020.

Areas of interest include, in the broadest possible sense:

- Interdisciplinary Human-Computer Interaction
- Deep Learning
- Computational Medicine (joint position with Department of Laboratory Medicine and Pathobiology)
- Deep Learning (joint with the Department of Electrical and Computer Engineering)
- Quantum Computing (joint position with the Department of Physics)

In addition, the Department of Mathematical and Computational Sciences, University of

Toronto Mississauga (UTM) is hiring for one position at the rank of Assistant Professor in

- Robotics

For all positions, we are especially interested in exceptional candidates who transcend traditional disciplines and complement our existing strengths.

The University of Toronto is an international leader in research and education in computer science and in the cognate areas we are jointly searching with. Successful candidates are expected to pursue innovative research at the highest international level; to establish a strong, externally funded independent research program; to have a strong commitment to undergraduate and graduate teaching; and to contribute to the enrichment of both undergraduate and graduate programs in the department(s).

All appointments will begin on July 1, 2020. Candidates should have a Ph.D. in the relevant field(s) as described in the individual ads posted at www.cs.toronto.edu by the date of appointment or shortly thereafter.

Evidence of excellence in research and teaching at the highest international levels is required. Excellence in research will be evidenced primarily by publications in top ranked field relevant journals, awards and accolades, presentations at significant conferences, and strong reference letters by referees of top international stature. Teaching excellence will be demonstrated by awards and accolades, teaching accomplishments as well as strong endorsements by referees.

Salaries will be commensurate with qualifications and experience, and is competitive with our North American peers.

Applicants should apply online [AcademicJobsOnline](https://academicjobsonline.org/ajol/jobs/15573), and include a curriculum vitae, a list of publications, research and teaching statements. Applicants should also arrange to have at least three letters of reference uploaded through [AcademicJobsOnline](https://academicjobsonline.org/ajol/jobs/15573) directly by the writers. Review of applications will begin on January 7, 2020. Applicants should endeavor to have all materials submitted by then, however applications may be considered until January 30, 2020.

For more information about the Department of Computer Science, see our website www.cs.toronto.edu or contact Sara Burns at recruit@cs.toronto.edu.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Toronto Mississauga

*Assistant Professor, Teaching Stream -
Computer Science*

The Department of Mathematical and Computational Sciences at the University of Toronto Mississauga (UTM) invites applications for up to two teaching-stream appointments in Computer Science. The appointments will be at the rank of Assistant Professor, Teaching Stream, and will commence on July 1, 2020, or shortly thereafter.

We seek candidates who have a record of excellent teaching and interest in establishing a long-term teaching career with the Department. Candidates should have teaching interests that complement and enhance existing departmental strengths (see <https://www.utoronto.ca/math-cs-stats/home>), such as existing clusters in robotics or computer security. A Master's degree in Computer Science or related discipline by the time of the appointment is required. A Ph.D. is preferred.

Competitive candidates will have teaching expertise in a degree granting program at the undergraduate program level; a demonstrated commitment to excellent pedagogical practices; and strong organizational, interpersonal, and communication skills. Preference will be given to candidates who have developed curriculum for new and existing courses; have engaged with students both in and out of a course setting (for example, running seminars, contests, workshops, and engaging with student-run initiatives); have contributed to departmental administration (for example, through course coordination or by managing TAs); and have supervised undergraduate or graduate research projects.

Salary will be commensurate with qualifications and experience.

All qualified candidates are invited to apply through [AcademicJobsOnline](https://academicjobsonline.org/ajol/jobs/15573) at <https://academicjobsonline.org/ajol/jobs/15573>. Applicants must submit a cover letter, a current curriculum vitae, a statement of career goals, and a teaching dossier that includes a teaching philosophy statement, course evaluations, and selected course materials. Applicants must also arrange to have at least three letters of recommendation (on letterhead, dated and signed) addressing teaching, uploaded through [AcademicJobsOnline](https://academicjobsonline.org/ajol/jobs/15573) directly by the writers. The letters must be uploaded by the closing date.

All application materials, including reference letters, must be received by January 6, 2020. For enquiries, please contact Julia Martyn, Chair's Assistant, at julia.martyn@utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Toronto Scarborough

*Assistant Professor, Contractually Limited
Term – Computer Science*

The Department of Computer and Mathematical Sciences, University of Toronto Scarborough (UTSC) invites applications for a three-year contractually limited term appointment in Computer Science as the Mendelzon Visiting Assistant Professor, to begin on July 1, 2020, and will end on June 30, 2023.

Applicants must have a Ph.D. in Computer Science or a related field by the date of appointment or shortly thereafter, and must demonstrate excellence in research and teaching. We seek candidates whose research and teaching interests complement and strengthen our existing departmental strengths (<https://www.utsc.utoronto.ca/cms/faculty-of-computer-science>). The successful candidate will be expected to pursue innovative and independent research at the highest international level and to establish an outstanding, competitive, and externally funded research program. Excellence in research will be demonstrated by publications in leading computer science journals and/or conferences, or forthcoming publications meeting high international level, presentations at significant computer science conferences, a strong research statement submitted as part of the application, awards and accolades, and strong endorsements by referees of top international stature. Evidence of excellence in teaching

will be demonstrated by teaching accomplishments, the teaching dossier submitted as part of the application including a strong teaching statement, sample course syllabi, and the teaching evaluations, as well as strong endorsements from referees. Candidates are also expected to show evidence of a commitment to equity, diversity, inclusion, and the promotion of a respectful and collegial learning and working environment demonstrated through the application materials.

The University of Toronto is an international leader in Computer Science research and education. The successful candidate for this position will be expected to contribute to the enrichment of academic programs at the University's Scarborough campus. More information about the Department of Computer & Mathematical Sciences can be found at <https://www.utsc.utoronto.ca/cms/faculty-of-computer-science>. The successful candidate will also be a member of the tri-campus Graduate Department of Computer Science at the University of Toronto. They will be expected to participate actively in the Graduate Department of Computer Science (<https://web.cs.toronto.edu/>)

Salary will be commensurate with qualifications and experience. Application material for the position must be submitted online through AcademicJobsOnline, <https://academicjobsonline.org/ajo/jobs/15737>. It should include the candidate's cover letter, curriculum vitae, a research statement, a teaching dossier (including

a teaching statement, sample syllabi, and teaching evaluations) and at least three letters of recommendation uploaded to [AcademicJobsOnline](https://academicjobsonline.org/ajo/jobs/15737) directly by the writers (on letterhead, signed and scanned). If you have questions about this position, please contact Jolyn Duan, jolyn.duan@utoronto.ca in the Department of Computer and Mathematical Sciences.

Review of applications will begin after February 10, 2020; however, applications will be accepted until the position is filled. The Mendelzon Visiting Assistant Professorship is a position created in memory of Alberto Mendelzon, FRSC, distinguished computer scientist, and former chair of the Department of Computer and Mathematical Sciences, University of Toronto Scarborough.

The University of Toronto offers the opportunity to teach, conduct research, and live in one of the most diverse and vibrant metropolitan areas in the world.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons/ persons of colour, women, Indigenous/ Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University of Tulsa

Assistant Professor of Computer Science (tenure-track)

The Tandy School of Computer Science at The University of Tulsa (TU) is seeking candidates to fill two tenure-track positions at the Assistant Professor level. One of the positions is specifically designated for the area of Data Science. For the other position, applicants in the following areas are particularly encouraged to apply: artificial intelligence, cyber security, software engineering, bioinformatics, data science, and simulation. Applicants should possess a PhD in Computer Science or related field (or a quantitative field related to Data Science if applying for that position). Applicants must possess a strong record of research in their area of expertise and demonstrate clear potential for advancing the international recognition of TU in these fields. The Tandy School of Computer Science encourages collaborative and multi-disciplinary research, both at TU and in the broader scientific community. Applicants should also demonstrate a professional focus on education and pedagogy and commit to the development of a strong curricula in Computer Science that meets industry needs and prepares students to lead efforts in further advancing this field.

The University of Tulsa is a private university with approximately 4,500 undergraduate and graduate students in the Colleges of Arts and Sciences, Business, Engineering and Natural Sciences, Health Sciences and Law. The Tandy School of Computer Science

offers B.S., M.S. and Ph.D. programs in Computer Science.

Tulsa is located in northeast Oklahoma in "Green Country," a region of rolling hills, lakes and wooded landscapes. With a metropolitan population of approximately one million, the city offers cosmopolitan amenities while maintaining the livability of a small urban center. Tulsa offers diverse arts, entertainment, and recreation venues appealing to both young adults and families.

To apply, please send CV, teaching and research statements, and contact information for at least three references as a single PDF by e-mail to dsfacultysearch@utulsa.edu for the Data Science position or csfacultysearch@utulsa.edu for the other position. Applications will be reviewed upon receipt, and candidates are encouraged to submit their completed applications by November 15, 2019. The search will remain open until the position is filled. The University of Tulsa seeks to recruit and retain talented students, faculty and staff from diverse backgrounds. A goal of this search is to increase the diversity of faculty in the Tandy School of Computer Science, and we therefore welcome applications from underrepresented groups such as Women, Black/African American, Hispanic/Latino, American Indian or Alaskan Native. The University of Tulsa is an Equal Opportunity Employer-F/M/D/V.

University of Utah

Assistant/Associate/Professor of Artificial Intelligence

The School of Computing at the University of Utah seeks applications for tenure-track faculty at all ranks in all areas of artificial intelligence. This includes but is not limited to: natural language processing, computer vision and perception, machine learning, social intelligence, planning, reasoning, and problem solving, and knowledge representation.

The School will give applicants with interdisciplinary backgrounds and application specialties special consideration. Candidates are encouraged to apply early – applications will be evaluated starting in November 1, 2019, and new applications will be considered, as appropriate, through the spring of 2020.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the School and our current faculty can be found at <http://www.cs.utah.edu>.

The School of Computing at the University of Utah is committed to broadening the participation in the field of computing and values candidates with diverse intellectual, cultural, and ethnic backgrounds, and

who possess a strong commitment to improving access to higher education for historically underrepresented students. The School is also committed to addressing lifestyle priorities and is open to providing opportunities for spouses and significant others.

Candidates may apply through the following URL: <http://utah.peopleadmin.com/postings/99358>

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with appropriate notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.

University of Vermont

Assistant Professor of Computer Science

The Department of Computer Science at the University of Vermont is seeking applicants for a tenure-track position at the rank of Assistant Professor, with duties to start in late August of 2020. We are especially interested in applicants with expertise in cybersecurity, data privacy, programming languages and/or systems. Ideal candidates would show strong potential for contributing to the UVM Center for Computer Security and Privacy (<http://compsec.w3.uvm.edu>)

and collaborating with the UVM research lab for programming languages, data privacy, and information security (<http://plaid.w3.uvm.edu>).

The applicant must have a PhD in Computer Science or a closely-related area. Competitive applicants will possess a significant track record of research excellence as appropriate to their seniority and be capable of outstanding teaching at the graduate and undergraduate levels. We are especially interested in scholars who will contribute to the growth of research efforts in UVM CS by building on existing strengths and developing new collaborations, and who will mentor graduate students effectively.

The University of Vermont, established in 1791, is a comprehensive research university with a current enrollment of 12,000+ undergraduate, graduate, and medical students. The scientific and academic environments in CEMS, and throughout the UVM university community are dynamic, highly collaborative, and multi-disciplinary. Significant campus resources for research collaboration include: The Vermont Advanced Computing Core, The Vermont Complex Systems Center, The Larner College of Medicine, the Institute for Environmental Diplomacy & Security and the Gund Institute for Environment. The University's commitment to the growth of STEM disciplines, including Computer Science, is evidenced by the construction of the STEM Complex, its largest-ever capital project.

The University is located in Burlington, Vermont, about 90 miles south of Montreal.

Burlington is often rated as the best small city in America for quality of living and features year-round outdoor recreation and cultural events. Greater Burlington has a population of approximately 150,000 and enjoys a panoramic setting on Lake Champlain, bordered by the Adirondack and Green Mountains.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other category legally protected by federal or state law.

The University of Vermont is especially interested in candidates who can contribute to the diversity and inclusive excellence of the academic community through their teaching, service and research, scholarship or creative arts. We are an educationally purposeful community seeking to prepare students to be accountable leaders in a diverse and changing world. Members of the University of Vermont community embrace and advance the values of Our Common Ground: Openness, Respect, Responsibility, Integrity, Innovation, and Justice. The successful candidate will demonstrate a strong commitment to the ideals of accessibility, inclusiveness, and academic excellence as reflected in the tenets of Our Common Ground. To that end, candidates must provide a diversity impact statement as part of the application detailing how they will further the diversity of the unit through their teaching and service at

the University. Application materials (5 documents) must be submitted online at <http://www.uvmjobs.com>, position number 015021: (1) cover letter with names and contact information for at least three references (these must also be entered into the online application system), at least one of which can comment on teaching; (2) current curriculum vitae identifying specific areas of expertise; (3) a detailed statement of research interests; (4) a statement of teaching philosophy and interests; and (5) a diversity impact statement.

Inquiries may be addressed to Dr. Asim Zia, Search Committee Chairperson, at Asim.Zia@uvm.edu. Applications should be submitted by December 31 to ensure full consideration.

University of Vermont

Assistant Professor of Computer Science

The Department of Computer Science at the University of Vermont is seeking applicants for a tenure-track position at the rank of Assistant Professor, with duties to start in late August of 2020. Research emphases should be in areas of Data Science, broadly defined to include Machine Learning, Big Data, Computer Vision, Statistical Inference, Data Visualization, or other data-intensive computing areas.

The applicant must have a PhD in Computer Science or a closely-related area, a strong research record and agenda, the ability to teach a variety of engaging undergraduate and graduate

courses in Computer Science, Complex Systems, or Data Science, and the desire and ability to supervise master's and doctoral students. Postdoctoral experience is a plus.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Applications from women, veterans, individuals with disabilities and people from diverse racial, ethnic, and cultural backgrounds are encouraged.

The University of Vermont is especially interested in candidates who can contribute to the diversity and inclusive excellence of the academic community through their teaching, service and research, scholarship or creative arts. We are an educationally purposeful community seeking to prepare students to be accountable leaders in a diverse and changing world. Members of the University of Vermont community embrace and advance the values of Our Common Ground: Openness, Respect, Responsibility, Integrity, Innovation, and Justice. The successful candidate will demonstrate a strong commitment to the ideals of accessibility, inclusiveness, and academic excellence as reflected in the tenets of Our Common Ground. To that end, candidates must provide a diversity impact statement as part of the application detailing how they will further the diversity of the unit through their teaching and service at the University.

Existing collaborators are encouraged to apply, as are couples. In general, the

University is open to discussion of how it can support dual-career couples. We encourage dual career couples to share their need for job assistance early in the interview process so that we can provide support as early as possible.

The University of Vermont, established in 1791, is a comprehensive research university with a current enrollment of 12,000+ undergraduate, graduate, and medical students. The scientific and academic environments in CEMS, and throughout UVM, are dynamic, highly collaborative, and multidisciplinary. UVM has state of the art core facilities, including the Vermont Complex Systems Center, Vermont Advanced Computing Center, and an on-campus, 7000+ employee Medical Center and College of Medicine. UVM offers generous benefits packages, including health, dental, retirement contributions, and tuition remission.

The University is located in Burlington, Vermont, about 90 miles south of Montréal. Burlington is often rated as the best small city in America for quality of living, and features year-round outdoor recreation and cultural events. Greater Burlington has a population of approximately 150,000 and enjoys a panoramic setting on Lake Champlain, bordered by the Adirondack and Green Mountains.

The applicant must submit a current curriculum vitae identifying her or his specific area of expertise, a detailed statement of research interests, a

statement of teaching philosophy, a diversity impact statement, and names of at least three people who can provide letters of reference, at least one of which can comment on teaching. All application materials must be submitted online at <http://www.uvmjobs.com>, position number 00024616. Inquiries may be addressed to Josh Bongard, Search Committee Chairperson [jbongard@uvm.edu].

Review of applications will begin December 1, 2019 and continue until the position is filled.

University of Victoria

Assistant Professor Positions in Computer Science

The Department of Computer Science at the University of Victoria is seeking applicants for two positions at the rank of Assistant Professor with eligibility for tenure and with an anticipated start date of July 1, 2020. We are particularly seeking candidates in the areas of Graphics, Systems, AI and Theory. Yet, candidates in any other area of Computer Science are also encouraged to apply.

Applicants should submit a CV, a research statement, a teaching statement, up to three selected relevant publications, and three referee letters. The research statement should clearly identify the research area, summarize research achievements, and propose future research.

Applications should be submitted at: <https://academicjobsonline.org/ajol/jobs/14745>

The closing date for applications is December 1, 2019.

University of Virginia

Open Rank Academic General Faculty, Computer Science Department

The Department of Computer Science at the University of Virginia seeks applications for one or more non-tenure-track teaching faculty positions to begin in August 2020. Candidates can apply for these long-term positions at one of three professorial ranks or at one of three lecturer ranks. We seek applicants who share our interest and enthusiasm for excellence in computing science education to join our department of 58 faculty, including 17 teaching faculty.

The department is committed to creating and benefiting from an environment where a diverse group of capable, inspired individuals interact and collaborate to learn and advance knowledge without barriers.

Candidates for a General Faculty position at the rank of Assistant, Associate or full Professor must have a PhD or equivalent experience in computer science or a related discipline. They must have an interest in and ability to teach a broad set of courses in our undergraduate curriculum. Course load will be two to three sections per semester consisting of a mix of upper- and lower-division courses. Graduate-level teaching will possibly be included. Faculty in professorial positions will have service responsibilities, and scholarship in computing or in CS education is expected

for promotion. The department strongly values scholarship activities by General Faculty that have potential to advance computing education.

Candidates for a General Faculty position at the Lecturer, Senior Lecturer or Distinguished Lecturer rank must have a Master's degree or equivalent experience in computer science or a related discipline. Lecturers will usually teach two to three sections of core undergraduate courses but will also have the opportunity to teach more specialized upper-level courses. Lecturers may have fewer expectations for service activity, and will not be required to pursue scholarship.

These positions will have renewable three-year contracts. University policies insure that these positions benefit from opportunities for professional development, and there is a well-defined promotion path for these positions. General Faculty receive departmental support for their teaching and scholarship activities.

The University of Virginia is annually ranked as one of the premier public institutions in the United States and is located in Charlottesville, a picturesque and vibrant small city perennially ranked as one of the best places to live in the U.S. More information about town, the school, faculty benefits and other topics can be found at <http://uvacharge.virginia.edu/guide.html>.

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit <https://dualcareervirginia.edu/>.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the Department and the University of Virginia are fundamentally committed to increasing the diversity of its faculty and staff. UVA is an affirmative action and equal opportunity employer. We welcome nominations of and applications from women, members of minority groups, veterans and individuals with disabilities. We also welcome others who would bring additional dimensions of diversity to the university's research and teaching mission. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences.

Please apply online at https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Open-Rank-General-Faculty-in-Computer-Science_R0011739 and attach the following documents: a CV; a statement of teaching philosophy; contact information for three references; and, a cover letter that addresses your experience working with diverse populations and your values related to diversity, equity, and inclusion.

Review of candidates will begin on December 12, 2019 and will continue until positions are filled.

For questions regarding the positions, please contact Raymond Pettit, Search Committee Chair, at raymond.pettit@virginia.edu.

For questions about the application process, please contact Rich Haverstrom, Faculty Search Advisor, at rkh6j@virginia.edu.



Assistant Professor of Biology and Data Science

The University of Virginia invites applications for a tenure-track Assistant Professor position with joint appointment in the Department of Biology and the School of Data Science. We seek applicants whose research programs address fundamental questions at the interface of Biology and Data Science. Of particular interest are researchers aiming to develop innovative computational tools to improve biological understanding in areas potentially including but not limited to: genomics and phenotype prediction; cell state and signaling; biological network architecture and information processing; multiscale modelling; cellular, organismal or population dynamics; biological image acquisition and analysis. Applicants are sought whose work will synergize with existing labs in the Department of Biology and elsewhere, with research emphases ranging from molecules to cells and tissues, and organisms to populations and ecosystems, as well as programs in the new School for Data Science in the areas of data acquisition, engineering, analysis, visualization or dissemination. Applicants employing computational methods with or without experimental approaches will be considered. A successful candidate is expected to establish a vigorous, independent, and externally funded research program as well as provide instruction and scientific training at the undergraduate and graduate levels. Applicants with a respect for diversity and a passion for making a positive impact on the world in a collaborative, open environment are strongly encouraged to apply. The position will begin on August 25, 2020. Located within the College of Arts and Sciences, the Department of Biology provides an interdisciplinary and collaborative environment for basic research and teaching that spans multiple levels of biological organization. The newly formed School of Data Science, founded with the largest gift in the university's history, is dedicated to open interdisciplinary research of societal benefit with data science at the core. With the schools of Medicine, Engineering & Applied Sciences, UVA offers a diverse, collegial, interdisciplinary, and collaborative environment.

Qualifications

Applicants must have a Ph.D. in life sciences, computer science, statistics or a related field by the start of their appointment. A successful applicant will also have research accomplishments and plans of outstanding quality and significance at the interface of biology and data science as well as a commitment to excellence in teaching and mentoring. A proven commitment to participate in and further develop a diverse, collegial, interdisciplinary, and collaborative environment needs to be demonstrated.

Application Process and Deadline

Please apply online at https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Assistant-Professor-of-Biology-Data-Science_R0010887. Review of applications will begin November 3, 2019; candidates who apply by then will be given priority consideration, but the position will remain open until filled.

The University of Virginia is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans and persons with disabilities are encouraged to apply.

The University will perform background checks on all new hires prior to employment. This position will also require an Education Verification (FSAKA).

The University of Virginia, including the

UVA Health System and the University Physician's Group are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived

experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.

University of Virginia

Seeking Multiple Faculty at All Ranks in All Computer Science Areas

Computer Science Department

The Department of Computer Science at the University of Virginia seeks multiple tenured or tenure-track faculty at all ranks in all computer science areas. Qualifications include an outstanding record of scholarship, an awarded or expected doctorate in computer science or equivalent, and a commitment to student mentoring, undergraduate and graduate teaching excellence, diversity, and professional service. Rank is dependent upon experience and qualifications. As UVA highly values collaborative, interdisciplinary research, joint appointments in Electrical and Computer Engineering or other science and engineering departments, as appropriate, are a possibility.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff.

The University of Virginia is rated as one of the top 3 public universities in the nation and in the top 30 among all universities, public and private. The University is situated in the beautiful foothills of the Blue Ridge Mountains in the vibrant city of Charlottesville. For more information about UVA and the Charlottesville community please see <http://www.virginia.edu/life/charlottesville> and <https://embarkcva.com/>. The Department of Computer Science at the University of Virginia is experiencing sustained faculty growth along with multiple research areas - for more information, see <http://www.cs.virginia.edu>. In addition, UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit <https://dualcareer.virginia.edu/>

Please apply online at https://uva.wdl.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Multiple-Faculty-Positions-at-All-Ranks---Department-of-Computer-Science_R00III49 and attach the following required applicant documents:

- A cover letter that addresses (1) Areas of research/scholarship interest; (2) Why you want to be a professor at UVA; (3) Demonstrated experience working with diverse populations and your values related to diversity, equity and inclusion
- CV/resume
- Research Statement
- Teaching Statement
- Two (2) research papers that best represent your work
- Contact information for three references (name, email address, telephone number, and address).

Review of applications will begin on December 1, 2019, and will continue until the positions are filled.

For questions about these positions, please contact Prof. Sebastian Elbaum at selbaum@virginia.edu. For questions about the application process, please contact Rich Haverstrom at rkh6j@virginia.edu.

The University will perform background checks on all new hires prior to employment. This position will also require an Education Verification (FSAKA).

The University of Virginia, including the UVA Health System and the University Physician's Group are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are an equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.

University of Washington

Assistant or Associate Professors

The University of Washington's Paul G. Allen School of Computer Science & Engineering has multiple tenure-track positions in a wide variety of technical areas in both Computer Science and

Computer Engineering. Hires will be made at the Assistant (Tenure-track) and Associate (Tenure-eligible) Professor ranks, commensurate with experience and qualifications. The positions would be full-time, multi-year appointments with 9-month service periods and with an anticipated start date of September 1, 2020. Our school offers a highly collegial and collaborative culture, with broad interdisciplinary research ties across campus. We are leaders both in core computing and computer engineering research, and in research that applies computer science to solve pressing world challenges in medicine and global health, education, accessibility, developing world technology, and others. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, top technology companies, as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere.

We look forward to learning how the applicant's experience or future plans for teaching, research, and service would support our commitment to diversity and inclusion. *The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers.*

All University of Washington faculty engage in teaching, research, and service.

Qualifications

Applicants for tenure-track positions must have earned a doctorate (or foreign

equivalent) in Computer Science, Computer Engineering, or related field, by the date of appointment.

Application Instructions

Applications received by November 15, 2019, will be given priority consideration. Applications will only be accepted via Interfolio. <https://apply.interfolio.com/64708>

Please provide pdf files for the following requested materials: your letter of application, a complete curriculum vitae, statements of research and teaching interests, a diversity statement, and your three most significant publications. You are also asked to provide at least four confidential letters of recommendation. For any administrative issues or inquiries related to the search, please contact frc@cs.washington.edu. For technical issues, please contact Interfolio staff at 877-997-8807 or help@interfolio.com.

Equal Employment Opportunity Statement

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.

Commitment to Diversity

The University of Washington is committed to building diversity among

its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (<http://www.washington.edu/diversity/diversity-blueprint/>). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profile and responsibilities (<https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432>)

University of Washington

Lecturer or Senior Lecturer

Description

The University of Washington's Paul G. Allen School of Computer Science & Engineering has one or more full-time or part-time positions for Lecturers and Senior Lecturers. Lecturers and Senior Lecturers are non-tenure eligible faculty members who are hired on multi-year appointments with a 9-month service period plus summer opportunities with an anticipated start date of September 1, 2020. We seek candidates with a strong commitment to teaching and student mentoring.

Our Lecturers are long-term educational professionals who combine instructional excellence with a variety of leadership, community building, outreach, pedagogy advances, and scholarship. Our school offers a highly collegial and collaborative culture, with a range of teaching and curriculum-development opportunities in

lower-division and upper-division courses for majors and non-majors. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere.

The Allen School fosters a diverse and inclusive academic community as a fundamental part of our mission as a public educational institution (see <https://www.cs.washington.edu/diversity>). We encourage applicants with a similar commitment to diversity and welcome learning how the applicant's experiences and future plans for teaching and service would support our commitment to diversity and inclusion. The University of Washington is a recipient of a National Science Foundation's ADVANCE Institutional Transformation Award to increase the advancement of women in academic science and engineering careers.

Qualifications

Applicants for lecturer positions must have earned at least a Master's degree OR have acquired the equivalent expertise via several years of industry and/or teaching experience.

Application Instructions

Applications received by November 30, 2019 will be given priority consideration. Applications will only be accepted via Interfolio. <https://apply.interfolio.com/67275>

Please provide pdf files for the following requested materials: your cover letter, a complete curriculum vitae, teaching portfolio, and diversity statement.

The teaching portfolio should address the following: teaching experience and interests, teaching philosophy and methods, and evaluation of teaching effectiveness. Additionally, Senior Lecturer applications should address course and curriculum design.

We encourage applications from individuals whose backgrounds or interests align with our commitment to diversity and the diversity statement should reflect on the applicant's past experiences and address future plans to contribute to a diverse and inclusive learning environment in the Allen School and the broader university community.

You are also asked to provide three (3) letters of reference. For any administrative issues or inquiries related to the search, please contact frc@cs.washington.edu. For technical issues, please contact Interfolio staff at 877-997-8807 or help@interfolio.com.

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University of Washington

Senior Lecturer/Faculty Director of the Master of Human-Computer Interaction + Design Program

The University of Washington seeks applications for the Faculty Director of the Master of Human-Computer Interaction + Design (MHCI+D) program. The successful applicant will work independently as Faculty Director while also having an academic appointment as a Senior Lecturer, full-time, in the University of Washington Information School (iSchool) for three years, with the

possibility of renewal. This is a full-time, year-round position for an 11-month academic program. The ideal start date is on or before June 16, 2020. This position includes faculty voting rights in the iSchool, but is not tenure-eligible. Compensation will be commensurate with applicant qualifications and reflects the dual role of both Faculty Director and Senior Lecturer.

The successful candidate will be housed in the broad-based, inclusive Information School that offers multiple degree programs and is committed to the values of excellence, leadership, innovation, and diversity. We welcome all candidates from any discipline or background related to human-computer interaction and design.

For more information: <https://apply.interfolio.com/71166>

University of Washington Tacoma

Lecturer

The School of Engineering & Technology at the University of Washington Tacoma is seeking applications for a full-time Lecturer for the Computer Science program. This position is a non-tenure track, 9-month renewable position with an initial appointment term up to three years beginning September 2020. Reappointments after the initial term are from 3-5 years. Lecturers in the department have voting rights and serve on department committees. Teaching responsibilities for lecturers

include courses throughout the computer science curriculum, based on preference and expertise, with a typical teaching load of two courses per quarter. Priority areas are computer architecture, distributed/operating systems, and computer ethics, although qualified applicants in any area of computer science are encouraged to apply.

To read more about the position and to apply, please visit: https://ap.washington.edu/ahr/position-details/?job_id=54330. This position will remain open until filled, however applications received before December 15, 2019, will receive priority review.

University of Waterloo

Department of Electrical & Computer Engineering, Cyberphysical Systems

The Department of Electrical & Computer Engineering at the University of Waterloo invites applications for a tenure track position with an anticipated start date of July 1, 2020. We are seeking a promising researcher with a track record backed up through high profile publications and demonstrated systems work (published artifacts, open-source projects, public demonstrations) in the areas of embedded systems, robotics, or cyberphysical systems, with clear applications to automotive vehicle research. Strong candidates should be able to support collaborative interdisciplinary research in mechatronics research and should

have their core research strength in a research area related to computer systems, dependability, or security. It is anticipated that the position will be at the rank of Assistant Professor. In exceptional cases, an appointment at the rank of Associate Professor or Full Professor may be considered.

<https://uwaterloo.ca/engineering/cyberphysical-systems>

University of Waterloo

Assistant Professor - Mathematics or Science

Applications are invited for a tenure-track faculty position at the rank of Assistant Professor and in special cases Associate or Full Professor, at the Institute for Quantum Computing (IQC) and any department in the Faculties of Mathematics or Science. IQC is a collaborative research institute focused on quantum information science and technology, ranging from the theory of quantum information to practical applications. Membership in IQC is renewable, with an initial appointment of 5 years, and comes with research space, a teaching reduction of one course, and a stipend. Information about research at IQC can be found at <http://uwaterloo.ca/iqc/research> and <https://tqt.uwaterloo.ca/>

As an employer committed to employment equity and accessibility for persons with disabilities, we encourage applications from members of equity-seeking communities including women,

racialized and Indigenous persons, persons with disabilities, and persons of all sexual orientations and gender identities/expressions.

Diversity is integral to academic excellence, and as such, the University is committed to attracting and retaining diverse faculty. Based on existing demographics in the Institute for Quantum Computing at the University of Waterloo, priority in hiring will be given to qualified women who self-identify as such in the application process. This initiative is a special program under the Ontario Human Rights Code. <http://www.ohrc.on.ca/en/part-ii-%E2%80%93-interpretation-and-application/special-programs>.

We encourage members of all equity-seeking groups to self-identify within their letter of intent in their application. Disclosure and/or self-identification with an equity-seeking group will not lead to advantageous treatment of a candidate who is not qualified. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will receive priority in the recruitment process.

A PhD and significant evidence of excellence in research in quantum information science and technology and the potential for effective teaching are required. Responsibilities include the supervision of graduate students and teaching at the undergraduate and graduate levels. Based on qualifications, a salary range of \$80,500 to \$155,000 will be considered. Negotiations beyond this salary range will be considered for

exceptionally qualified candidates. Effective date of appointment is September 1, 2020. The search is open to all areas of quantum information that connect with the goals and ongoing research at IQC.

The University of Waterloo is host to the Institute for Quantum Computing. At present, IQC has a complement of 32 faculty members from the Faculties of Engineering, Mathematics and Science. Interested individuals should upload their application via the faculty application form at: <https://uwaterloo.ca/institute-for-quantum-computing/positions>.

Full consideration for these positions is assured only for applications received by December 1, 2019.

If you have any questions regarding the position, the application process, assessment process, eligibility, or a request for accommodation during the hiring process, please contact the IQC Director at iqc-dtr@uwaterloo.ca.

Three reasons to apply:
<https://uwaterloo.ca/faculty-association/why-waterloo>

University of West Florida

*Associate or Full Professor for
Department of Intelligent Systems and
Robotics - 126910*

The University of West Florida (UWF), Pensacola, FL, USA in partnership with the Florida Institute for Human and Machine Cognition (IHMC) located in downtown Pensacola, FL developed a new Ph.D.

program in intelligent systems and robotics (ISR). The program is the first of its kind in Florida and one of only a few in the nation. The Ph.D. program centers on researching and developing leading-edge intelligent systems and robotic software and hardware technology that combines human and machine elements to exploit their respective strengths and mitigate their respective weaknesses.

The newly established UWF Department of Intelligent Systems and Robotics invites applications for full-time tenure-track positions, preferably at the associate and full professor level. Outstanding candidates in all areas of intelligent system and robotics will be considered, particularly in machine learning and natural language processing. Qualified research-intensive applicants can be considered for a joint appointment with IHMC.

All tenured and tenure-track positions require a Ph.D. in Computer Science, Engineering, Electrical Engineering, or field closely related to intelligent systems and robotics from an accredited institution with a strong commitment to academic research, service and teaching.

Successful candidates are expected to pursue an active and externally funded research program, to teach graduate courses, to supervise graduate students and to be instrumental in the development of the ISR Ph.D. program.

For additional information and to apply, please visit <https://jobs.uwf.edu>. The preferred response date for this position is March 2, 2020.

The University of West Florida is an Equal Opportunity/Access/Affirmative Action/Disabled/Veteran employer. Any individual requiring special accommodation to apply is requested to advise UWF by contacting UWF Human Resources at 1-850-474-2694 (voice) or 1-850-857-6158 (TTY). A criminal background check is required for successful candidates. E-Verify requirements may apply for employment in certain positions. All applications for employment at the University are subject to Florida public records law.

Additional information about the University of West Florida is available at www.uwf.edu.

University of Wisconsin-Madison

Assistant or Associate Professor of Clinical Biostatistics

Clinical Biostatistics (PVL 100777): The Department of Biostatistics & Medical Informatics, a vibrant and collaborative basic science department in the School of Medicine & Public Health at the University of Wisconsin-Madison, seeks applicants for a tenure-track assistant or associate professor whose research focuses on clinical biostatistics and clinical trials. The successful applicant for this position will join a department with a long history of research, training, and collaborative activity in clinical trials. We are looking for someone to contribute to new biostatistical approaches, techniques, and strategies for the design, monitoring, and analysis of clinical trials. This is a great

opportunity for you if you are interested in clinical trials and clinical biostatistics.

If you are interested in applying for this position, please visit the UW Jobs website at <https://jobs.wisc.edu/> (PVL100777) to submit your application.

The assured consideration date is December 15, 2019, although late applications may be considered.

University of Wisconsin-Madison

Assistant or Associate Professor in Machine Learning (WID)

Machine Learning (WID) PVL 101052: The Wisconsin Institute for Discovery (WID) and the Department of Biostatistics & Medical Informatics (BMI) at the University of Wisconsin-Madison seek applicants for a tenure track assistant or associate professor whose research focuses on machine learning, or closely related areas of data science with an interest in applications for healthcare and biomedical sciences. The Wisconsin Institute for Discovery and the Department of Biostatistics & Medical Informatics both offer vibrant research environments with a strong interdisciplinary, collaborative approach. We are looking for someone with a demonstrated interest in both machine learning algorithm development and collaborative applications of machine learning to biological or biomedical problems. This is a great opportunity if you are interested in machine learning and its application to questions of

human health and biomedical science, and in doing this work in a highly interdisciplinary environment.

If you are interested in applying for this position, please visit the UW Jobs website (<https://jobs.wisc.edu/>) PVL 101052 to submit your application. The assured consideration date is December 15, 2019, although late applications may be considered.

University of Wisconsin-Madison

Assistant or Associate Professor of Machine Learning

Machine Learning (PVL 100759): The Department of Biostatistics & Medical Informatics, a vibrant and collaborative basic science department in the School of Medicine & Public Health at the University of Wisconsin-Madison, seeks applicants for a tenure-track assistant or associate professor whose research focuses on machine learning with an interest in applications for healthcare and biomedical sciences. The successful applicant for this position will join a department with a long history of research, training, and collaborative activity in machine learning for basic, clinical, and population-based studies. We are looking for someone to develop new machine learning approaches, algorithms, and strategies to create more effective predictive models from growing data resources. You will have the opportunity to use electronic health record, genomic, imaging, and other



WISCONSIN UNIVERSITY OF WISCONSIN-MADISON

Assistant, Associate, or Full Professor of Computer Sciences

As a part of the vision for the newly formed **School of Computer, Data & Information Sciences (CDIS)**, the Department of Computer Sciences at the University of Wisconsin-Madison has embarked on a multi-year effort to grow its faculty, enhance its strengths in many areas of computing, and extend its impact in interdisciplinary areas. As part of this endeavor, we invite highly qualified candidates in all areas of computer science, across the spectrum from technology-driven to problem-driven research, to apply to positions at the assistant, associate, and full professor levels that will begin in August 2020.

Applicants must have a Ph.D. in Computer Science or in a closely related area required prior to start of appointment. At the assistant professor level, successful candidates will show potential for developing an outstanding scholarly research program in one or more area(s) of computer science that is recognized by the leaders of the area(s) and for innovative and for student-centered teaching in computer science at all levels. Tenured appointments at the associate and full professor levels require record of proven excellence in teaching, research, and service. Duties will include individual and classroom teaching in computer science at the undergraduate and graduate levels, and advising and mentoring graduate students majoring in computer science or related areas; scholarly research in a specialty area with computer science; service to the department, college, university, and academic community, nationally or internationally.

All applications must be submitted through Academic Jobs Online. Application materials, including a curriculum vitae, statements of research and teaching objectives, three sample publications, and names and contact information for at least three references, must be electronically submitted via <http://cs.wisc.edu/faculty-apply/>. Applicants are encouraged to submit their applications as soon as possible and no later than **December 1, 2019** to ensure full consideration. Applications will be accepted until positions are filled. Questions may be directed to recruiting@cs.wisc.edu.

More information about CDIS can be found at <http://ls.wisc.edu/areas-of-study/cdis>.

UW-Madison is an equal opportunity/affirmative action employer and is committed to creating a diverse and inclusive community. We promote excellence through diversity and encourage all qualified individuals to apply. A background check is required prior to employment.

relevant data sources, all of which may inform prediction for clinical outcomes or treatment strategies, as well as data on molecular structures that might guide predictions of protein binding or other molecular characteristics. This is a great

opportunity for you if you are interested in machine learning and its application to questions of human health and biomedical science.

If you are interested in applying for this position, please visit the UW Jobs

website at <https://jobs.wisc.edu/> (PVL 100759) to submit your application. The assured consideration date is December 15, 2019, although late applications may be considered.

Vanderbilt University

Tenure Track Faculty Position in Computer Science and Data Science

THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (EECS) AT VANDERBILT UNIVERSITY is seeking candidates for a tenure-track faculty position in computer science. Candidates will be considered in broadly defined areas of machine learning, artificial intelligence, data science, natural language processing, visualization, and/or computer vision. Successful candidates are expected to teach at the undergraduate and graduate levels and to develop and grow vigorous programs of externally funded research. The Vanderbilt CS program provides a unique, collaborative, and interdisciplinary research environment. These positions are part of a broader multi-year faculty hiring initiative in the data sciences. Candidates will be core members of Vanderbilt's recently established Data Science Institute, and will be expected to contribute to the research and teaching mission of the institute, and ideally to foster research collaborations with existing faculty across academic departments working on data science related topics.

Applications should be submitted on-line at: <http://apply.interfolio.com/69338>. For

more information, please visit our website:
<http://engineering.vanderbilt.edu/eecs>.

Applications will be reviewed on a rolling basis beginning November 15, 2019 with telephone interviews beginning December 1, 2019. The final application deadline is January 15, 2020.

Vanderbilt is an Equal Opportunity/
Affirmative Action employer.

Virginia Tech

Department of Computer Science Faculty Positions in Blockchain Systems

The Department of Computer Science at Virginia Tech seeks applicants for multiple positions in blockchain systems. Candidates seeking tenure-track assistant professor or tenured associate professor positions are encouraged to apply. Exceptional candidates for the full professor rank may also be considered.

The department is growing rapidly thanks to substantial multi-year investments from the university and the Commonwealth of Virginia. Our initiative in blockchain systems research and education is catalyzed in part by a partnership with block.one. Candidates with core research interests in multiple areas related to blockchain systems are encouraged to apply, including scalable distributed systems, cryptography, cryptocurrency, blockchain applications, blockchain software infrastructure and development, etc. The positions offer competitive packages and resources to enable success. Successful candidates will have the

opportunity to leverage the department's highly-focused faculty development and mentoring program, as well as numerous successful collaborations with government, national labs, and industry partners.

Candidates must have a Ph.D. in computer science or a related field at the time of appointment and a rank-appropriate record of scholarship and collaboration in computing research. Successful candidates should give evidence of commitment to issues of diversity in the campus community. Virginia Tech is committed to building a culturally diverse faculty and strongly encourages applications from traditionally underrepresented communities. Tenured and tenure-track faculty will be expected to teach graduate and undergraduate courses, mentor graduate students, and develop a sustainable research group that is internationally recognized for excellence. The positions require occasional travel to professional meetings. Selected candidates must pass a criminal background check prior to employment.

The department currently has 52 faculty members, including 46 tenured or tenure-track faculty, 14 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. CS faculty also provide leadership in several interdisciplinary research centers, such as the Center for Human-Computer Interaction (<http://hci.vt.edu/>) and the Discovery Analytics Center (<https://dac.cs.vt.edu/>). The department is home to approximately 1,000 undergraduate majors and 300 graduate students, with

university commitments to grow all programs significantly. The department is in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). Virginia Tech's main campus is located in Blacksburg, VA, in a region consistently ranked among the country's best places to live.

Applications must be submitted online to jobs.vt.edu for position 510994.

Inquiries should be directed to Dr. Ali R. Butt, search committee chair, at facdev@cs.vt.edu.

Virginia Tech - Virginia Polytechnic Institute

Faculty Positions Department of Computer Science

The Department of Computer Science at Virginia Tech is growing rapidly. Thanks to substantial multi-year investments from the Commonwealth of Virginia combined with significant infrastructure investments by Virginia Tech, we anticipate hiring multiple faculty members at all ranks and in all areas for the next several years. The majority of new positions will be at our main campus in Blacksburg, VA. We also seek outstanding candidates for our program in Northern Virginia, which is rapidly expanding due to Virginia Tech's exciting new **Innovation Campus**, (vt.edu/innovationcampus) in Alexandria, VA, where computer science academic and research programs will play a central role.

We seek candidates at all ranks and in all areas of computer science. The positions offer competitive packages and resources to enable success. Candidates with core research interests in AI/ML, NLP, computer systems, human-computer interaction, cybersecurity, blockchain systems, high-performance computing, computational science, computational biology and bioinformatics, and quantum computing are especially encouraged to apply. Successful candidates will have the opportunity to leverage the department's highly-focused faculty development and mentoring program, as well as numerous successful collaborations with government, national labs, and industry partners.

Candidates for all positions must have a Ph.D. in computer science or a related field at the time of appointment and a rank-appropriate record of scholarship and collaboration in computing research. Successful candidates should give evidence of commitment to issues of diversity in the campus community. Virginia Tech is committed to building a culturally diverse faculty and strongly encourages applications from traditionally underrepresented communities. Tenured and tenure-track faculty will be expected to teach graduate and undergraduate courses, mentor graduate students, and develop a sustainable research group that is internationally recognized for excellence. The positions require occasional travel to professional meetings. Selected candidates must

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Applications must be submitted online to jobs.vt.edu for position job 510994. Candidates with a clear campus preference (Blacksburg or Northern Virginia) should indicate this in their cover letter. Inquiries should be directed to Dr. Ali R. Butt, search committee chair, at facdev@cs.vt.edu.

Virginia Tech is an equal opportunity/affirmative action institution.

A criminal background check is the condition of employment with Virginia Tech.

Wayne State University

Assistant/Associate Professor

Applications are invited for multiple tenure-track faculty positions at the assistant/associate professor level beginning in Fall 2020. While candidates with research expertise in computer vision, machine learning, data-intensive computing, security, network systems or embedded software engineering will receive the strongest consideration, outstanding applicants in other areas will also be considered. This search is primarily at the assistant professor level, but candidates with exceptional accomplishments will be considered for senior levels. Faculty candidates are expected to have a Ph.D. in Computer Science or a closely related field by their start date and to demonstrate potential for excellence in both research and teaching.

The Department of Computer Science has 21 tenured or tenure-track faculty members and 6 teaching faculty members, with research strengths in the areas of Artificial Intelligence, Bioinformatics, Computer Systems (e.g., Real-time Systems, Cyber-Physical Systems, Autonomous Systems, and Edge Computing), Data Science, Graphics and Visualization, Software Engineering and Wireless Networking. The research in the department is also highly interdisciplinary with active collaborations

with faculty in medicine, engineering, and sciences and with local industry such as the Ford Motor Company and General Motors. The Department has five NSF CAREER recipients, with two CAREER awards in 2019 and external funding of over \$2.0M annually. The department currently has 65 Ph.D. students, along with 75 Master's students, and about 900 undergraduate majors.

Applicants should submit a cover letter, statement of research and teaching, and curriculum vitae with the contact information of three references. For full consideration, applications must be received by February 15, 2020.

More information on these positions are available at the following link:

<https://engineering.wayne.edu/cs/about/opportunities.php>

Wayne State University is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color, and other underrepresented people. Wayne State University is an affirmative action/equal opportunity employer.

Wayne State University

Research Assistant/Associate

Wayne State University invites applications for a Research Assistant/Associate in the Department of Computer Science as part of the JETSCAPE collaboration.

The Jet Energy-loss Tomography with a Statistically and Computationally Advanced Program Envelope (JETSCAPE) collaboration is an NSF funded multi-institutional project to study droplets of matter at extreme temperatures of more than a trillion degrees using jets of particles emanating from these droplets. Matter at these temperatures last existed microseconds after the big bang, and is now routinely created at Brookhaven National Laboratory in New York and at CERN in Switzerland.

The term of the position will be one year, renewable annually for a total of at least two years, beginning as soon as possible. Further renewals are subject to the availability of grant funding

Essential Duties: The collaboration involves teams of theoretical physicists, experimental physicists, statisticians, and computer scientists from Duke, MIT, McGill, Ohio State, University of Tennessee, Lawrence Berkeley National Lab, Lawrence Livermore National Lab, Texas A&M, and Wayne State. A key component of this research is the seamless integration of diverse simulation codes into a scalable open-source software tool.

Qualifications: The position requires a Master's in computer science,

engineering, computational physics or related discipline or a Bachelor's degree with significant relevant experience, with demonstrated expertise in developing and managing large-scale software projects. HPC experience is desirable but not required.

Application Instructions: Applicants should submit a cover letter, CV, and contact information for three references. Applications must be submitted online at <http://jobs.wayne.edu> (posting number 044666). Questions should be directed to Loren Schwiebert at loren@wayne.edu or to Abhijit Majumder at majumder@wayne.edu.

West Virginia University

Tenure-Track Faculty Position in Cybersecurity

The Benjamin M. Statler College of Engineering and Mineral Resources (Morgantown, WV) invites applications for a tenure-track faculty position at the rank of Assistant or Associate Professor in the area of cybersecurity. Specialty areas of interest for this search include, but are not limited to network security, hardware security, secure computing and operating systems, critical infrastructure security, malware detection, digital forensics, security of IoT and cyber-physical systems, and secure software. Eligible candidates must hold an earned Doctorate degree in computer science, computer engineering, or a closely related field, at the time of appointment. The successful candidates must demonstrate the ability or potential to (1) develop and sustain an independent, nationally recognized and

competitive externally-sponsored research program, (2) collaborate effectively within multi-disciplinary teams of faculty and other researchers across WVU campus, other academic and government institutions, as well as the private sector, (3) teach lecture, laboratory or design courses at both the undergraduate and graduate levels, and (4) perform professional service activities. A notable record of peer-reviewed publications and other scholarly activities, effective communication skills, and evidence of potential to attract competitive research funding are required for this position. Candidates for the rank of Associate Professor must have an outstanding record of research, teaching, and service. For further information regarding this employment opportunity and how to apply, please see www.jobs.wvu.edu.

West Virginia University is an Equal Opportunity/Affirmative Action Employer and the recipient of an NSF ADVANCE award for gender equity. The University values diversity among its faculty, staff and students, and invites applications from all qualified individuals, including minorities, females, individuals with disabilities, and veterans.

Western University

*Assistant/Associate Professor in
Databases, Computer Science*

The Department of Computer Science in the Faculty of Science at Western University is pleased to announce a search for a probationary (tenure-track)

position in databases at the rank of Assistant or Associate Professor. The anticipated start date will be July 1, 2020.

Applicants must possess a PhD in Computer Science or a closely related area. The successful candidate will have made fundamental advances in data-centric systems, such as database or data management, graph databases, managing streaming data, data management platforms in support of artificial intelligence or machine learning applications. The successful candidate must have an outstanding record of research productivity in the form of publications in high-impact peer-reviewed journals and conferences, awards, invited talks and other scholarly achievements as appropriate for their career path and stage. Applicants must demonstrate that they are well-positioned to apply successfully for external funding in both the public and private sectors as evidenced by their current success at funding and/or their potential for future partnerships detailed in their research plan. The successful candidate will be expected to teach undergraduate and graduate courses in Computer Science and to develop new courses in their area at the undergraduate and graduate levels in core computing disciplines and interdisciplinary programs. The successful candidate also must demonstrate their ability to attract and train graduate and undergraduate research students.

Please view the full advertisement at: https://www.uwo.ca/facultyrelations/careers/pdf/Science_Computer-Science_DatabasesPositionAd_2019.pdf

For enquiries contact: Lindsay Bos, Department of Computer Science, Western University, London, Ontario N6A 5B7 lbos2@uwo.ca 519-661-3992

Consideration of applications will begin on January 15, 2020, and will continue until the position is filled.

Westmont College

*Tenure Track Professor in
Computer Science*

Westmont College in Santa Barbara, California is seeking a faculty member with a PhD who has a passion for teaching, an active research agenda, and demonstrated professional and personal interests that extend beyond computer science. An ideal candidate would cultivate a lifelong learning in the liberal arts in our undergraduate students and an inclusive environment for underrepresented groups in a field that sorely needs such diversity. As a college rooted in the worldwide Protestant Christian tradition, we are seeking candidates similarly committed. <https://www.westmont.edu/office-provost/open-positions>

Whitworth University

*Assistant/Associate Professor of
Computer Science*

The Computer Science and Mathematics Department at Whitworth University invites applications for a tenure-track Assistant Professor of Computer Science

faculty position, beginning July 1, 2020. Experience in artificial intelligence or cybersecurity is preferable. Candidates with relevant industry experience are encouraged to apply. Computer Science and Mathematics faculty at Whitworth University operates in a friendly, fun atmosphere that encourages interaction between one another and students. Faculty doors are open to students, and faculty encourage and emphasize real-world learning opportunities. Most classes are taught in computer labs with an emphasis on gaining practical hands-on experience, as well as a strong base of theoretical knowledge. Candidates must have a strong commitment to teaching excellence and the ability to teach courses beyond their area of specialization. Required qualifications include Ph.D. or ABD in Computer Science, Computer Engineering, Software Engineering or a closely related field from an accredited institution or international equivalent. Applicants with a Master's degree and exceptional experience in artificial intelligence or cybersecurity will be considered.

To apply or view the complete position description, please visit our website at www.whitworth.edu/facultycareers. Applicants are required to complete an online application. Questions about this position may be directed via email to Dr. Martha Gady at mgady@whitworth.edu. Review of applications begins November 1, 2019. To read more about the department visit <https://www.whitworth.edu/academic/departments/mathcomputerscience/index.aspx>. For

assistance with your online application, please call (509) 777-3236.

Whitworth University is a private, residential, liberal arts institution affiliated with the Presbyterian church. The university's mission is to provide its diverse student body an education of the mind and the heart, equipping its graduates to honor God, follow Christ, and serve humanity. This mission is carried out by a community of Christian scholars committed to excellent teaching and to the integration of faith and learning.

Whitworth complies with all federal, state and local nondiscrimination laws that are applicable to religious nonprofit institutions and does not engage in unlawful discrimination on the basis of race, color, national origin, age, sex, or disability. With our Christ-centered commitment to building a diverse and inclusive community, the university encourages applications from populations underrepresented at Whitworth including members of racial/ethnic communities, women and persons with disabilities.

William & Mary

Assistant Professors of Computer Science

The Department of Computer Science at William & Mary seeks applications for multiple tenure-track positions at the Assistant Professor level to begin in the 2020-2021 academic year. We are interested in exceptional applicants from all areas of computer science. Applicants must have a Ph.D. in computer science or

a related field at the time of appointment and must have a strong research record and a commitment to teaching.

William & Mary is consistently ranked in the elite group of the Best National Universities-Doctoral by U.S. News and World Report and is committed to a multi-year effort to strengthen and expand its computer science research program. With a teaching load of two courses per year and institutional support, the department has been rising in national rankings of graduate CS departments; and has been the home of multiple NSF and DOE Career Awards. The department offers B.S., M.S., and Ph.D. programs. More information about the department can be found at <http://www.cs.wm.edu> or by contacting the department chair at rmlewi@wm.edu.

Applicants must apply online at <https://jobs.wm.edu> (follow the link for instructional faculty). Please submit a cover letter, a curriculum vitae, and statements of research and teaching interests. Applicants will be prompted to submit online the names and email addresses of three references who will be contacted automatically with instructions for submitting letters of recommendation. For full consideration, please submit application materials by the review date, January 6, 2020. Applications received after the review date will be considered if needed.

William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the

university. William & Mary is an Equal Opportunity/Affirmative Action employer and encourages applications from women, minorities, protected veterans, and individuals with disabilities. William & Mary conducts background checks on applicants for employment.

Wright State University

Tenure Track Professor / Non-Tenure Track Instructor

The Department of Computer Science and Engineering at Wright State University, Dayton OH seeks highly motivated, student-focused candidates for two full-time, tenure-track Assistant or Associate Professor positions and one non-tenure-track Instructor position. We value experience and interest in project-based, active learning and curriculum development and the ability to contribute through service and leadership to the department and our community. For the non-tenure-track position, we are looking for candidates who can teach introductory computer science courses as well as systems, information technology and cybersecurity courses. For tenure-track positions, we value demonstrated ability to establish a robust research program and to collaborate with other academics, government, and industry researchers. The Department has internationally recognized research programs in numerous fields including artificial intelligence, machine learning, data science, visualization and virtual reality, and cybersecurity. Strong candidates in all computer science and engineering fields are encouraged to apply.

Qualified candidates must have earned the Ph.D. degree (for tenure track positions) or M.S. degree (for instructor position) in Computer Science, Computer Engineering, or a closely related area by the position start date.

Wright State University is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other category legally protected by federal or state law. The University encourages applications from all individuals who will contribute to the diversity and excellence of the institution.

Additional Information:

Applications must be submitted online at jobs.wright.edu (Affirmative Action Numbers: 20Y090 and 19Y121 for tenure-track positions; 19Y122 for instructor position). Applicants should provide a cover letter that summarizes teaching experience, a current CV, a teaching statement, and the names of four references. Tenure-track applicants should additionally include highlights of research accomplishments in the cover letter and include a research statement with their application. Evaluation of applications will be ongoing until the positions are filled.

Please address any questions about this position, or the application process, to Dr. Michael Raymer, Associate Chair of Computer Science and Engineering; michael.raymer@wright.edu

Yale University

Senior Lecturers or Lecturers in Computer Science

The Yale Computer Science Department invites applications for multiple positions at the rank of Lecturer or Senior Lecturer, to start in the 2020-2021 academic year. Applicants are expected to excel in the teaching of large introductory courses. Opportunities to teach upper-level courses, to supervise student projects, and to collaborate with Yale's world-class faculty in numerous computationally active fields are also available. The department's home page can be found at <https://cpsc.yale.edu/>.

A candidate should hold a Ph.D. or equivalent degree in computer science or a related discipline at the time of hire. Required application materials include: curriculum (CV), cover letter, teaching statement, and a minimum of three references letters from outside Yale. Any questions regarding the Lecturer position, please contact Susan Hurlburt at: susan.hurlburt@yale.edu. The department will start reviewing applications on February 1, 2020 and will continue until the position is filled. Please apply at: <http://apply.interfolio.com/72239>.

Yale University is an Affirmative Action/Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans and underrepresented minorities.

Yale University

Department of Computer Science

Tenure-Track Faculty Positions

The Yale Computer Science Department invites applications for multiple tenure-track faculty positions to start in the 2020-2021 academic year. Qualified applicants in computer science are invited to apply, with a preference for Artificial Intelligence, Machine Learning, and Distributed Systems. The department is slated to grow significantly over the next few years, and new hires will have the opportunity to influence future directions.

Applicants are expected to excel in both research and teaching. Yale provides many opportunities for research collaborations both inside and outside the Computer Science department. Interdisciplinary work is encouraged, with Yale's world-class faculty in numerous computationally active fields. Yale faculty regularly have the opportunity to teach excellent students, both graduate and undergraduate. The department's home page can be found at <http://cpsc.yale.edu/>.

A candidate should hold (or expect to receive by the end of 2020) a Ph.D. in computer science or a related discipline. Applications submitted by December 15, 2019 will be given highest priority. Applicants are asked to submit a cover letter (optional), curriculum vitae, teaching statement, research statement, and three confidential letters of recommendation. Contact Susan Hurlburt at susan.hurlburt@yale.edu with any questions

regarding the application. Please apply at: <http://apply.interfolio.com/70353>.

Yale University is an Affirmative Action/Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.

York College of Pennsylvania

Assistant Professor in Computer Science

Job Description:

The Computer Science program at York College of Pennsylvania invites applications for a Tenure Track Assistant Professor of Computer Science beginning in August 2019. Preferred technical areas of interest include cybersecurity, data sciences, and/or machine learning. The program is particularly interested in building out its expertise in cybersecurity to include areas such as network penetration, malware analysis, digital forensics, computer and network security and secure software design.

The successful candidate will teach a variety of undergraduate computer science courses primarily to computer science and computer engineering majors. Additionally, faculty oversee independent study projects, senior software design projects, and have the opportunity to teach special topics courses in their area of expertise. Faculty are active in leading curriculum and laboratory development and improvement.

As a teaching-focused institution, our ABET-accredited Computer Science program is characterized by small class sizes, extensive student/faculty interactions and a focus on hands-on and project-based work. Students participate in one required internship as part of our experiential education program prior to graduation, gaining valuable experience that they can then apply in their classroom learning.

Requirements:

Applicants should have a Ph.D. in Computer Science. Candidates must have the interest and ability to teach a range of undergraduate computer science courses and are expected to demonstrate the potential for outstanding teaching, advising and scholarly activity. Candidates with prior teaching experience and interest in pedagogical research are valued.

Application Instructions:

Candidates should electronically submit the following: a cover letter with a description of relevant experience, a curriculum vitae, a statement of teaching philosophy and practices, a statement of professional/scholarly objectives, and contact information for three references to

<https://ycp.interviewexchange.com/jobofferdetails.jsp?JOBID=117781>

Review of applications will begin immediately. While applications will be accepted until the position is filled, for full consideration, applications should be received by January 15, 2020.

About York College of Pennsylvania:

York College of Pennsylvania, <http://www.ycp.edu>, is a private-sector, independent institution of higher education, offering over 60 baccalaureate majors in the arts and sciences and in professional fields as well as master's programs in business, education and nursing and a doctoral program in nursing. The College has an enrollment of over 4000 full time, over 500 part-time undergraduate students and over 200 graduate students from 33 states and 37 foreign countries. The campus is located in South-Central Pennsylvania (50 miles north of Baltimore, MD, 30 miles south of Harrisburg, and 90 miles north of Washington, D.C.) and offers competitive salaries and fringe benefits.

York College is committed to building a diverse college community and encourages members of underrepresented groups to apply.

Additional Information:

York College of Pennsylvania is an Equal Opportunity Employer. For a copy of York College's Annual Security Report, you may contact the Office of Campus Safety or visit the website: [Annual Security Report](#).