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

## Are You Working on the Taulbee Survey?

The due date for the main section of the Taulbee Survey is January 20.

Academic units that participated in the salary survey should have received their links to the preliminary results.

## Upcoming Deadlines

February 1 - CRA-E 2021 SIGCSE TS Virtual Pre-Symposium Event

February 12 - Nominations for New CCC Council Members

March 31 - CRA-WP Borg Early Career Award

March 31 - CRA-WP Skip Ellis Early Career Award

## Updated Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2021

This updated work follows a full study released in November 2020, on faculty hiring in Computer Science for hires starting in 2021. That work analyzed hiring based on ads through mid-November 2020 and found significant decreases in the number of institutions searching and the number of positions being sought. This updated work considers ads through the end of December 2020 and is intended to understand the impact of the COVID-19 pandemic on whether searches have been delayed or simply will not materialize this hiring season.

*see page 2 for full article*

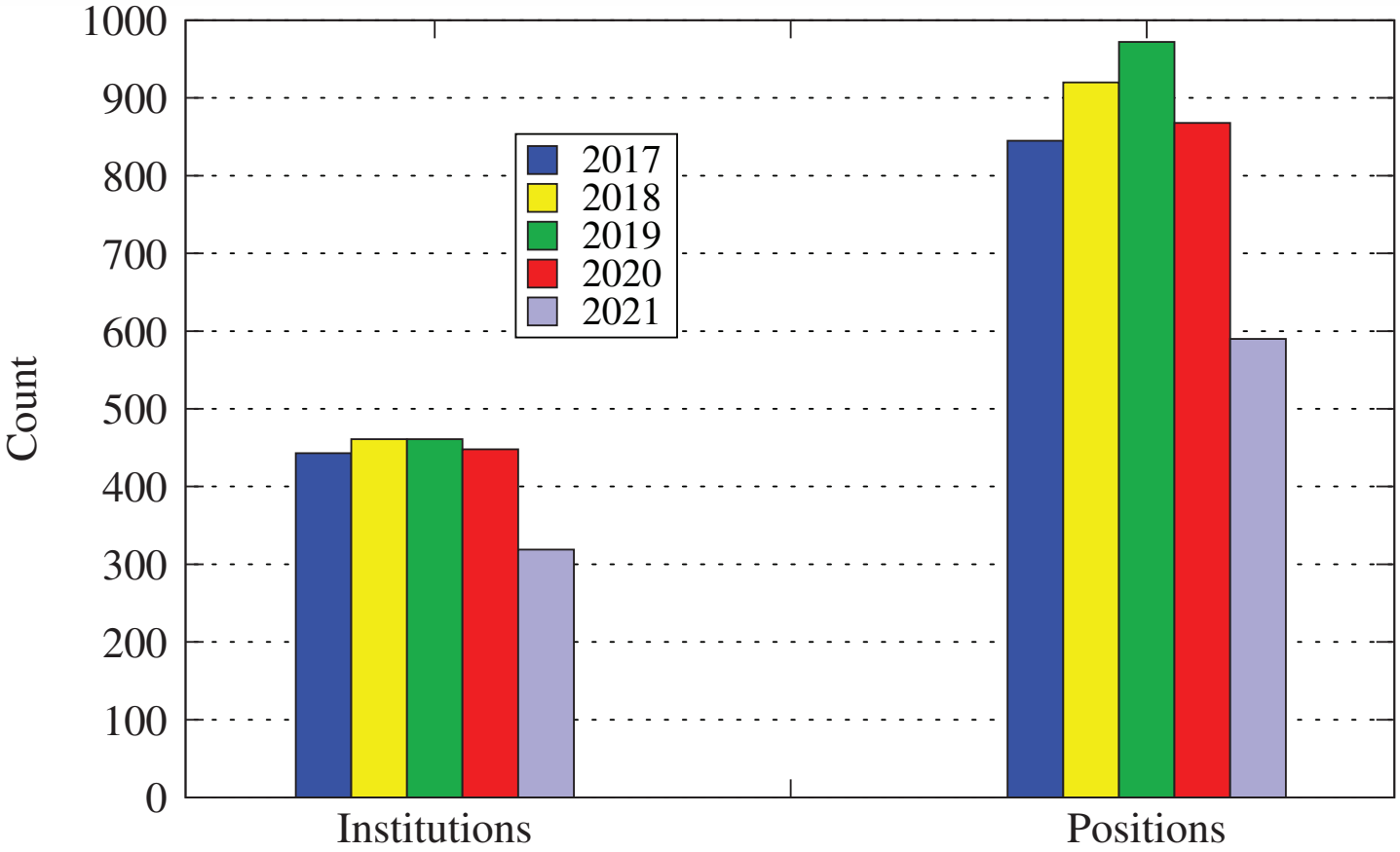
## In This Issue

# Updated Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2021

*By Craig E. Wills, Worcester Polytechnic Institute*

This updated work follows a **full study released in November 2020,** on faculty hiring in Computer Science for hires starting in 2021. That work analyzed hiring based on ads through mid-November 2020 and found significant decreases in the number of institutions searching and the number of positions being sought. This updated work considers ads through the end of December 2020 and is intended to understand the impact of the COVID-19 pandemic on whether searches have been delayed or simply will not materialize this hiring season.

In this updated work, we analyzed ads from 319 institutions seeking to fill tenure-track faculty positions in Computer Science, which is an increase from 235 institutions as of mid-November 2020. This updated number is still a 29% decrease from last year at this time and the lowest number in five years. The number of tenure-track positions sought in the updated time period shows a 32% decrease from last year at the same time and is also at the lowest level in five years. Despite being significant, these decreases are not as sharp as reported in our original study where the number of institutions searching was down by 40% and the number of positions being sought showed a one-year drop of 50%. These updated results indicate that search ads were posted later than in previous hiring seasons, but the increase in delayed ads did not make up for the total number of positions being sought.

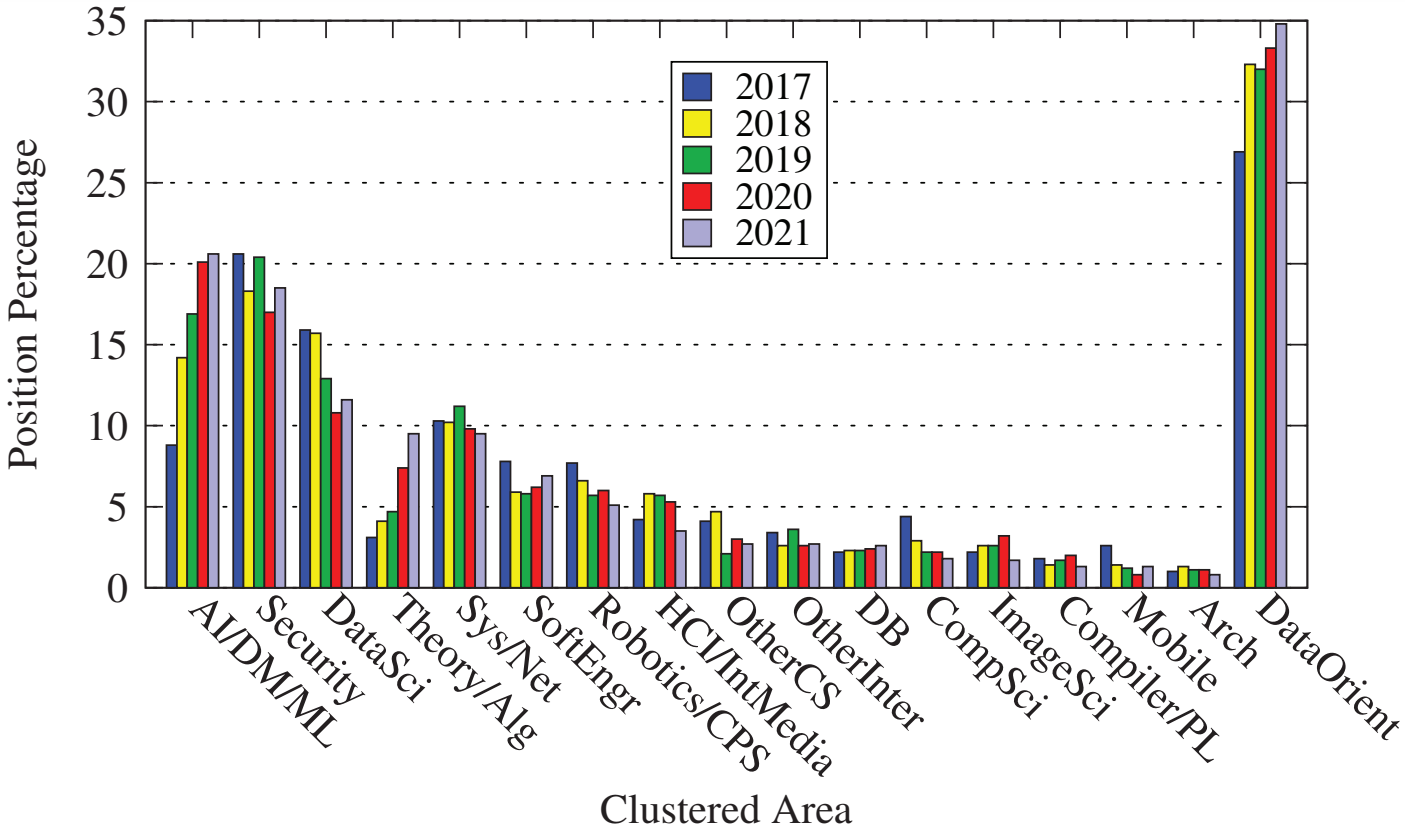


## Updated Analysis *(continued)*

In terms of updated results based on type of institutions, public PhD institutions still show the biggest reduction with a 40% one-year decrease in the number of positions being sought. However, this drop had been 62% in the original study indicating both ads that were delayed and never materialized since mid-November.

Not surprisingly, the updated results show little difference from our original study for specific areas being sought with results for each area within one percent of those previously presented. The clustered area of AI/Data Mining/Machine Learning is now at 21%, Security at 19% and Data Science at 12% of all positions sought. Data-oriented areas account for 35% of all positions.

The full updated study is available at: https://web.cs.wpi.edu/~cew/papers/UpdatedCSareas21.pdf



# 2021 Outstanding Undergraduate Researcher Award Recipients

CRA-E
Computing Research Association
Education

Congratulations to the recipients of the 2021 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 been involved in the development of software and apps.

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. Microsoft Research is the sponsor of this year's awards.

2021 Selection Committee: Michael Hilton (Carnegie Mellon University), Co-Chair, Ran Libeskind-Hadas (Harvey Mudd College), Co-Chair, Jonathan Bell (Northeastern University), Elena Grigorescu (Purdue University), Mark Newman (University of Michigan), Evan Peck (Bucknell University), Raghu Ramanujan (Davidson College), Kelly Shaw (Williams College), Neil Spring (University of Maryland), and Yuqing Melanie Wu (Pomona 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

### Steven Cao

University of California, Berkeley

Steven Cao is a senior at University of California, Berkeley where he is pursuing a degree in Electrical Engineering and Computer Science. He has broad research interests and experiences spanning artificial intelligence, natural language processing, signals, and neuroscience. In one natural language project, Steven developed new methods in syntactic parsing while in another project he contributed to the development and testing of new methods to provide more accurate translations between languages. Stephen has also worked on developing new and provably correct blockchain protocols and on several projects related to medical imaging. He is a co-author of seven papers, including first authorship on papers at EMNLP, Proceedings of IEEE Blockchain, and ICLR. He has served as a teaching assistant for two courses and as a research mentor in the Berkeley Natural Language Processing group.

### Joy He-Yueya

University of Washington

Joy He-Yueya is a senior computer science major at the University of Washington. She has engaged in a number of research projects related to health and education. In one project, she collaborated with computer scientists and medical researchers to assess the relationship between routine and schizophrenia symptoms using passively sensed measures of behavioral stability. This work led to a first-authored paper in the journal *NPJ Schizophrenia*. Joy also made important contributions to a project at the Max Planck Institute for Software Systems on generating personalized curricula for students learning to code using methods in reinforcement

## Undergrad Award Recipients *(continued)*

learning. She has also worked with researchers at Giving Tech Labs on developing methods to find relationships between voice and emotions and between voice and aging. Joy has served as a teaching assistant for two courses at the University of Washington and has been involved in several volunteer projects including leading workshops to help undergraduates get involved in research.

### Lindsay Popowski

Harvey Mudd College

Lindsay Popowski is a senior at Harvey Mudd College where she is completing the Joint Major in Computer Science and Mathematics. She has participated in several research projects in robotics and artificial intelligence, human-computer interaction, and computer science education. In one project on human-robot interaction, she worked on scheduling methods for scenarios where there are high degrees of scheduling uncertainty. In another project at an REU program at Carnegie Mellon University, Lindsay made significant contributions to the development of new machine learning techniques for generating vector representations of GUI screens of mobile apps, enabling potential applications such as GUI design aids. In a third project, she worked on a study of learning outcomes and effect of students placed into various different versions of an introductory college-level computing course. Lindsay is the primary author of a paper at AAAI, a co-author of a paper in the Artificial Intelligence Journal, and a paper at SIGCSE. She has served as a teaching assistant and grader for computer science and physics courses at Harvey Mudd and was president of her dormitory.

### Orion Weller

Brigham Young University

Orion Weller is a senior at Brigham Young University (BYU) where he is completing two majors: Computer Science and Statistics. His research experiences and interests span natural language processing, data mining, and human-computer interaction. In his first research project at BYU, he developed a distributed system for meta-learning experiments. Orion initiated two projects, one on humor detection and another on document reading level, using methods in natural language processing. He has also engaged in research at both the Allen Institute and Apple. At the Allen Institute, he worked on a framework for general-purpose language understanding using techniques in machine learning and natural language processing. Orion is the first author of seven papers at venues including ACL and EMNLP. He has engaged in volunteer work and as a mentor and tutor for both high school students and younger classmates at BYU.

# Runners-Up

### Henry Birge-Lee

Princeton University

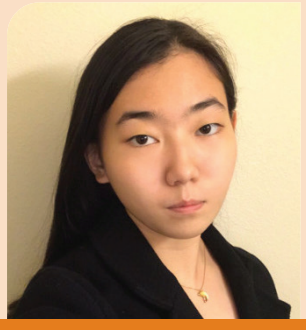
Henry Birge-Lee is a senior at Princeton University where he is majoring in Computer Science. He has made fundamental contributions to several research projects in the area of computer security. In particular, his work has examined the security of Internet services from the perspective of attacks on the underlying network infrastructure. Henry discovered a potential routing-protocol attack that is easy to launch but difficult to detect. His work on estimating vulnerability of such attacks and his proposed countermeasures resulted in a best presentation

# Undergrad Award Recipients *(continued)*

award at HotPETs and a second paper at USENIX Security. Several certificate authorities and content distribution networks have deployed Henry's countermeasure in their production systems. Henry is the co-author of several papers in computer security as well as a paper on plasma physics in the *American Journal of Physics*.

## Ximing (Gloria) Lu

University of Washington



Ximing Gloria Lu is a senior at the University of Washington where she is completing two majors, one in Computer Science and one in Statistics. She has conducted and led several research projects in the areas of medical imaging, neural language models, among others. In one project, Ximing worked on a transformer-based deep learning approach for diagnosing cancer from whole slide biopsy images. Ximing led two other projects, one on injecting logical constraints into neural text generation models and another on a new class of multimodal neural networks that outperform substantially larger neural networks from industry labs. She contributed to another project that proposed a novel decoding algorithm for paraphrasing and text in-filling. Her work has resulted in multiple publications. Ximing has also been involved in a variety of mentoring activities serving traditionally underrepresented students in computer science and newly admitted students in her department.

## Reed Oei

University of Illinois at Urbana-Champaign

Reed Oei is a senior at the University of Illinois at Urbana-Champaign (UIUC) where he is completing a BS in Computer Science. He has engaged in research in a variety of areas including software testing, programming languages for blockchain, and automatic theorem proving. Reed made fundamental contributions to the detection of "flaky tests," software tests which can non-deterministically pass or fail. Reed and his collaborators proposed new methods to detect flaky tests and he developed a tool that implements these methods. In other related projects, he worked on automatically fixing flaky tests and mitigating flaky tests. He also worked on a project through an REU program at Carnegie Mellon University where he made important contributions to smart contract programming languages. Reed's research has resulted in seven papers, including two first-authored papers at PADL and SPLASH. He has served as a member of the course staff for a software design course and led workshops on various topics for his peers at UIUC.

## Dhruv Rohatgi

Massachusetts Institute of Technology

Dhruv Rohatgi is a senior at Massachusetts Institute of Technology where he is completing the major in Mathematics with Computer Science. His research has explored a number of problems in algorithms with applications in computer vision, machine learning, among others. In one project, Dhruv proved the hardness of approximating the so-called Earth Mover Distance problem, resulting in a sole-authored paper in the APPROX conference. In another project, he developed algorithms and proved lower bounds for online caching with machine-learned advice, resulting in a single-authored paper at SODA. In yet another project, Dhruv studied provable guarantees for efficient compressed sensing, resulting in a spotlighted co-authored paper at NeurIPS. He has served as coordinator, problem-writer, and coach for the USA Computing Olympiad.

## Undergrad Award Recipients *(continued)*

### Stephen Tian

University of California, Berkeley

Stephen Tian is a senior at University of California, Berkeley where he is completing a major in Electrical Engineering and Computer Science. He has conducted research in robotics and artificial intelligence at Berkeley and at Facebook AI Research. Stephen's research spans the design and construction of novel robotic tactile sensors, machine learning and computer vision methods, and the development of new reinforcement learning algorithms. In one project, he demonstrated how a robotic finger with a touch sensor could perform myriad tasks using the same reinforcement learning algorithm. In another research project, Stephen proposed a novel algorithm for allowing a robot to achieve a variety of goals indicated as goal images. He has co-authored several papers at venues including ICRA, ECCV, and CoRL. Stephen has served as an undergraduate teaching assistant for a course on discrete mathematics and probability theory and volunteered for events for local high school students.

# Finalists

Nicholas Bonaker - Massachusetts Institute of Technology
Kiersten Campbell - Williams College
Nithin Chalapathi - University of Utah
Payal Chandak - Columbia University
Baicheng Chen - University of Buffalo
Daniel M. DiPietro - Dartmouth College
Andrew Gaut - University of California, Santa Barbara
Gary Hoppenworth - University of Central Florida
Bonnie Huang - University of California, San Diego
Qian Huang - Cornell University
Angela Jin - Cornell University
Sophia Kolak - Columbia University
Nishanth Kumar - Brown University
Ryan Lehmkuhl - University of California, Berkeley
Liang Lyu - Duke University
Abtin Molavi - Harvey Mudd College
Charlotte Peale - Stanford University
Jonathan Rodriguez - Tufts University
Parker Ruth - University of Washington
Tony Sun - University of California, Santa Barbara
Raechel Walker - University of California, San Diego
Boyu Zhang - University of Rochester
Kaiyang Zhao - Purdue University

# Honorable Mention

Rittika Adhikari - University of Illinois Urbana-Champaign
Omar Alrabiah - Carnegie Mellon University
Yigit Atay - Vanderbilt University
Lauren Baron - University of Delaware
Zion Leonahenahe Basque - Arizona State University
Sarah M. Bawabe - Brown University
Emily Boscom - University of Washington
Frank Bu - Johns Hopkins University
Annie Chen - Stanford University
Vivian Chen - University of Virginia
Yanda Chen - Columbia University
Rachel Cleaveland - Carnegie Mellon University
Joshua Clune - Carnegie Mellon University
Ian Costello - University of Maryland, College Park
Michael Cuevas - Northwestern University
Parmida Davarmanesh - University of Michigan
Amil Dravid - Northwestern University
Derek Egolf - Tufts University
Oliver Flatt - University of Utah
Eve Fleisig - Princeton University
Reginald Frank - Texas A&M University
Souradip Ghosh - Northwestern University

## Undergrad Award Recipients *(continued)*

Joseph Giordano - University of Central Florida
Joey Hejna - University of California, Berkeley
Lior Hirschfeld - Massachusetts Institute of Technology
Gongqi Huang - Johns Hopkins University
Ben Jacobsen - University of Arizona
Rhea Jain - Carnegie Mellon University
Nathan Ju - University of Illinois Urbana-Champaign
Ryan Kemmer - Arizona State University
Lauren Labell - Tufts University
David Lee - Williams College
McKenna Lewis - University of California, San Diego
Jenny Liang - University of Washington
Derek Lim - Cornell University
Yuhan Liu - University of Wisconsin, Madison
Aaron Lou - Cornell University
Yiwei Lyu - Carnegie Mellon University
Ellie Mamantov - Carleton College
Arjun Mani - Princeton University
Zoë Marschner - Massachusetts Institute of Technology
Leena Mathur - University of Southern California
Juno Mayer - University of Oregon
Garrett Moseke - University of Utah
Nirjhar Mukherjee - The University of North Carolina at Chapel Hill
Kabir Nagrecha - University of California, San Diego
Bo Ni - University of Notre Dame
Neehar Peri - University of Maryland, College Park
Elizabeth Peterson - Northwestern University
Angel Pina - Texas A&M University
Dylan J. Sam - Brown University
Sergio Sanz - University of Houston
Muyang Shi - Carleton College
Dasha Shifrina - University of Chicago
Xiangchen Song - University of Illinois Urbana-Champaign
Matthew Sotoudeh - University of California, Davis
Matthew Strong - University of Colorado, Boulder
Arjun Subramonian - University of California, Los Angeles
Ashely Tenesaca - University of Rochester
Gian Marco Visani - Tufts University
Homer Walke - Brown University
Ruizhe Wang - University of Wisconsin, Madison
Sky Wang - University of Michigan
Woodrow Wang - Stanford University
Yan Wang - Vanderbilt University
Austin Watkins - University of Utah
Yikai Wu - Duke University
Vasco Xu - University of Pittsburgh
Lina Zhang - Texas A&M University
Xinliang (Frederick) Zhang - The Ohio State University
Yipeng Zhang - University of Rochester
Dorothy Zhao - Princeton University
Chenghan Zhou - University of Virginia

# CRA-E 2021 SIGCSE TS Virtual Pre Symposium Event

CRA-E
Computing Research Association
Education

The CRA Education Committee, with support from NSF, is organizing a Virtual Pre-Symposium Event for Teaching-Track Faculty at SIGCSE 2021. The event will be held on Friday, March 12, 2021 from 1:00 – 5:00 PM EST. We are now accepting applications to the event! Click here for more information and a tentative agenda. 2020 event information is available here.

Computer Science departments have experienced significant course enrollment increases and many Ph.D. granting departments have introduced or increased the number of academic teaching faculty positions that have academic rank. The one-day event will focus on the professional development of teaching track faculty (professor of practice, instructor, clinical faculty, lecturer, etc.) in Ph.D. granting departments. It fills a crucial need as many departments have limited experience on how to mentor, evaluate, and promote this new type of faculty. The sessions will focus on how teaching faculty can strategize their involvement in departmental as well as research activities, different forms of scholarship and leadership activities to pursue, and best practices for success, promotion, and advancement. Academic leaders involved in supervising and evaluating teaching track faculty will provide their perspective and insights.

## Apply to Attend

The number of attendants is limited, and an application is required. The priority application deadline is **February 1, 2021.** Applicants will be notified of a decision by **February 10, 2021**. Applications may still be accepted after the deadline if the event is not full.

To apply to attend the event, please fill out the form here.

# New CRA Board Members: Arvind Krishnamurthy, Timothy M. Pinkston and Forrest Shull

CRA recently welcomed Arvind Krishnamurthy, Timothy M. Pinkston, and Forrest Shull as new Board Members. Krishnamurthy is the Vice President of the USENIX Board of Directors and replaces Brian Noble as the USENIX representative on the CRA Board. Pinkston replaces Mark D. Hill as an academic member on the Board. Hill recently moved into industry with a position at Microsoft as Partner Hardware Architect with Azure, requiring him to step down from the Board. Shull is the President of IEEE-CS and replaces Greg Byrd as one of the IEEE-CS representatives on the Board. CRA thanks Byrd, Hill, and Noble for their terms of service on the CRA Board.

## Arvind Krishnamurthy

Arvind Krishnamurthy is Short-Dooley Professor in the Paul G. Allen School of Computer Science & Engineering. His research interests span all aspects of building effective and robust computer systems, in the context of both data centers and Internet-scale systems. More recently, his research has focused on programmable networks and systems for machine learning. He is past program chair of ACM SIGCOMM and USENIX NSDI, serves on their technical steering committees, is the Vice President of USENIX, and serves on the ICSI and CRA Boards.

Recent research:

- Programmable networks (e.g., iPipe, IncBricks, FlexNIC, FlexSwitch, Approx. Fair Queueing),
- Distributed systems for the datacenter (e.g., SpecPaxos, Tapir),
- Systems for machine learning (e.g., TVM, Nexus, MCDNN, DNN specialization).

## Timothy M. Pinkston

Timothy M. Pinkston is holder of the George Pfleger Chair in Electrical Engineering, former holder of the Louise L. Dunn Endowed Professorship in Engineering, and Professor of Electrical and Computer Engineering at the University of Southern California (USC). He also is the Vice Dean for Faculty Affairs in the USC Viterbi School of Engineering. He earned a B.S.E.E. degree from The Ohio State University in 1985, and he earned M.S. and Ph.D. degrees in Electrical Engineering from Stanford University in 1986 and 1993, respectively.

Prior to joining USC in 1993, he was a Member of Technical Staff at Bell Laboratories, a Hughes Doctoral Fellow at Hughes Research Laboratory, and a visiting researcher at IBM T. J. Watson Research Laboratory. He founded the SMART Interconnects Group at USC where he conducts research on computer systems architecture. With over a hundred peer-reviewed technical publications, he has made key research contributions to deadlock-free adaptive routing, router microarchitecture and interconnection networks (both distributed and on-chip networks) that achieve high-performance

and energy-efficient data movement in multicore and multiprocessor computer systems–from embedded processors to compute servers to large-scale datacenters.

He has received prominent national awards, including the NSF Minority Research Initiation Award and NSF CAREER Award, and is the proud recipient of a Distinguished Alumnus Award from The Ohio State University's College of Engineering and Minority Engineering Program. He served three years (2005-2008) as an NSF Program Director in the CISE Directorate, serving the last year of his stint as the inaugural Lead Program Director for the newly established Expeditions in Computing Program. He has contributed other significant service to the profession as an Associate Editor of the IEEE Transactions on Parallel and Distributed Systems (TPDS), as a member of the Executive Committee of the IEEE Technical Committee on Computer Architecture (TCCA), and in several key leadership roles and on many technical program committees for top, flagship conferences in the field, including serving as General Co-Chair for the 45th ACM/IEEE International Symposium on Computer Architecture (ISCA'18), Program Chair of the 15th IEEE International Symposium on High Performance Computer Architecture (HPCA'09), and General Chair of the 21st IEEE International Parallel and Distributed Processing Symposium (IPDPS'07). He also co-organizes the CMD-IT Annual Academic Workshop for Underrepresented Ethnic Minorities and Persons with Disabilities and engages in many other efforts to broaden the participation and development of minorities in engineering. Dr. Pinkston is a member of AAAS, Fellow of the ACM, and Fellow of the IEEE.

## Forrest Shull

Dr. Forrest Shull is Lead for Defense Software Acquisition Policy Research at Carnegie Mellon University's Software Engineering Institute (SEI). His role is to lead work with the U.S. Department of Defense, other government agencies, national labs, industry, and academic institutions to advance the use of empirically grounded information to inform policies related to software engineering. Currently, he is providing technical leadership to the DoD in support of important initiatives to improve software acquisition, culminating in the development of the Department's first software-specific acquisition policy.

He has been a lead researcher on projects for the U.S. DoD, NASA's Office of Safety and Mission Assurance (OSMA), the NASA Safety Center, the Defense Advanced Research Projects Agency (DARPA), the National Science Foundation, and commercial companies. He is the author of over 100 peer-reviewed publications and co-editor of the *Guide to Advanced Empirical Software Engineering*.

He is President of the IEEE Computer Society, the world's leading membership organization dedicated to computer science and technology.

# Nominations Sought for New CCC Council Members

CCC
Computing Community Consortium
Catalyst

*By CCC Staff*

*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, facilitating the development of a bold, multi-themed vision for computing research and communicating that vision to a wide range of stakeholders.

To fulfill its mission, the CCC needs visionary leaders — people with great ideas, sound judgment, and the willingness to work collaboratively to see things through to completion. The Council is composed of 20 researchers representing the breadth and diversity of computing today.

Please help the computing community by nominating outstanding colleagues for the Council.

The CCC carries out its work through an active and engaged Council, currently led by Chair Liz Bradley (University of Colorado Boulder) and Vice-Chair Dan Lopresti (Lehigh University). The members of the Council are appointed by CRA, in consultation with NSF, for staggered three-year terms. In the aggregate, the Council strives to reflect the full breadth of the computing research community — this includes its research areas, institutional structures and geography (e.g. industry/academia, public/private, large/small, urban/nonurban), and all other forms of diversity, broadly defined. The Council is fully supported by a dedicated staff at CRA, led by Director Ann Schwartz Drobnis.

What do CCC Council members do?'

- Help develop and lead new visioning activities (e.g. AI Roadmap)
- Shepherd visioning activities put forward by community colleagues (e.g. Workshop Series on Assured Autonomy)
- Serve on and engage in topical CCC Task Forces
- Develop and lead new activities (e.g. AI Roadmap)
- Engage with government agencies, industry, and sister organizations (NSF, NIH, NITRD, ACM, IEEE-CS, etc.)
- Author white papers, blog posts, and contribute to other CCC communications efforts (e.g. 2020 Quadrennial Papers)
- Participate in monthly video conferences
- Attend three face-to-face meetings each year (virtual during COVID-19)
- Handle other requests from and for the community, as needed

For more information about the CCC, please visit our website and blog.

The CCC's Nominating Subcommittee invites nominations (including self-nominations) for members to serve on the CCC Council for terms beginning July 1, 2021 and concluding June 30, 2024. Our goal is for the Council to represent the full computing research community. We are seeking new members to complement the current Council to help us achieve this goal.

**Please send nominations, together with the information below, to** ccc-nominations@cra.org **by 11:59pm EST on Friday, February 12, 2021.** The subcommittee's recommendations will serve as input to CRA and NSF, who will make the final selection.

# Nominations *(continued)*

**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 curriculum vitae of the nominee (link to webpage is fine).
- A few sentences about why this candidate would be a great addition to the Council and complement its current membership.
- 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.

Please note that in order to represent the community and provide a breath of knowledge and backgrounds, the CCC selects new Council members from institutions different from those of continuing Council members.

If you submitted a nomination within the past three years and believe that individual would still be a good fit, please let us know along with any updates you consider relevant. We will include new information we receive when we review past nominations.

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

# CCC Council Member Chad Jenkins in *NYT* Article: Can We Make Our Robots Less Biased Than We Are?

CCC
Computing Community Consortium
Catalyst

*By CCC Staff*

Computing Community Consortium (CCC) Council member Odest Chadwicke Jenkins (University of Michigan) was recently interviewed by the *New York Times* about his thoughts on the AI field's apparent failure to make systems that are accurate for everyone. Many of today's AI systems have biases against people of color and the broader diversity beyond the white, male, affluent and able-bodied developers of most computer and robot systems. We need to be sure that when autonomous robots make their decisions, the designer's flaws and judgements are not "baked in."

Robotics researchers in our community are committed to ending the injustices in how their technology is made and used. Jenkins was one of the lead organizers and writers of *An Open Letter & Call to Action to the Computing Community from Black in Computing and Our Allies*, produced by Black in Computing. It was signed by nearly 600 Black scientists and allies in computing and calls for realizing the aims of the civil rights movement in the computing community. The open letter calls for reforms to create unbalanced and welcoming learning and work environments and addressing the systemic and institutional racism that has deterred the participation of Black people. The open letter also recalled specific environmental challenges such as harassment of Black students by campus police officers, and constant subtle reminders from others who don't think Black people belong.

This is just the beginning of recognizing the problem and making the commitment to address it both inside the lab and out. CCC's 2019-2020 Fairness, Accountability, Disinformation, and Explainability (FADE) Task Force examined these overlapping areas of fairness, accountability, disinformation, and explainability within algorithms, big data, and the Internet. This year's newly launched CCC Task Force on Radically Responsible Computing is planning to continue this work and focus on the "fairness, privacy, and responsibility for the negative outcomes of algorithms."

Other researchers featured in this article with ties to the Computing Research Association (CRA) (CCC's parent organization) are CRA and CRA-Widening Participation (CRA-WP) Board Member Ayanna Howard (Georgia Institute of Technology) and CRA Board Member Cindy Bethel (Mississippi State University). See the full *New York Times* article here.

# CCC 2020 Highlights

*By Elizabeth Bradley, CCC Chair*

The Computing Community Consortium (CCC), like the rest of the world, had to shift our focus and restructure our activities due to the COVID-19 pandemic. Some highlights from the year are described below; please see our website for more details, as well as plans and opportunities for new activities.

In May, CCC—along with its parent organization the Computing Research Association (CRA), and with strong support from the National Science Foundation—launched the CIFellows 2020 program. The goal of this effort is to provide career-enhancing bridge experiences for recent PhD graduates and combat hiring disruptions due to COVID. The 2020 CIFellows class includes 59 researchers — 52% of whom are women- beginning their fellowship at 43 different institutions and spanning a wide breadth of computer science areas from Artificial Intelligence to Architecture. You can find out more about each fellow and their research projects here.

We held five research visioning workshops this year, three of which were virtual:

- NAE/CCC Workshop on the Role of Robotics in Infectious Disease Crises (fully virtual)
- Physics & Engineering Issues in Adiabatic/Reversible Classical Computing (fully virtual)
- CCC / Code 8.7 Workshop on Applying AI in the Fight Against Modern Slavery
- Assured Autonomy Workshops 2 and 3

Finally, every four years the CRA, through its subcommittees, publishes a series of white papers called Quadrennial Papers that offer assessments of challenges and recommendations in computing research that address national priorities. This year's set of CCC Quadrennial Papers centered on four themes: Artificial Intelligence, Socio-Technical Computing, Board Computing, and Core Computer Science. You can read these papers here.

I want to particularly thank all the CCC workshop participants, organizers, white paper authors, and—most importantly—the CCC Council members and staff. It has been a challenging year, but we managed to get important and critical work done and share it with the computing research community. Here's to a productive, peaceful, and healthy 2021.

Stay safe, everyone.

# Do Senior Undergraduates Who Aspire for Graduate School Make Steps Toward This Goal in Their Last Year of College?

CERP
Computing Research Association
Evaluation

*By Heather M. Wright, Associate Director of CERP*

| | Aspires for master's degree (n = 140) | Aspires for doctoral degree (n = 99) |
|---|---|---|
| Applied to master's programs | 34% | 12% |
| Applied to doctoral programs | 0% | 39% |
| Applied to both master's and doctoral programs | 0% | 12% |
| Did not apply to any programs | 66% | 37% |

Note: Sample includes undergraduate students who were graduating with their bachelor's degree during the spring of 2019.
Source: Data Buddies Survey (DBS) 2019. Center for Evaluating the Research Pipeline. Computing Research Association.

During the spring of 2019, CERP surveyed a sample of undergraduate students graduating with their Bachelor's degree (*n* = 686). Through the Data Buddies Survey, CERP asked graduating students to report (a) the highest degree they intended to attain and (b) whether or not they applied for graduate school during their senior year. For this analysis, CERP developed the following research question: Do students who intend to go to graduate school make steps toward reaching that goal in their last year of college?

To answer this question, CERP selected a sub-sample of students with aspirations to earn a graduate-level degree (*n* = 288). Among students intending to ultimately finish their education with a master's degree (*n* = 140), 34% applied to one or more master's programs while 66% of students did not submit any graduate school applications. Among students with aspirations for a doctoral degree (*n* = 99), 12% applied to one or more master's programs, 38% applied to one or more doctoral programs, 12% applied to both master's and doctoral programs, while 37% did not apply to any graduate degree programs. Seventeen percent (*n* = 49) of the sample did not report any information regarding graduate school applications.

**Note:**
The following survey questions were used in this analysis: "What is the highest degree you plan to attain?" and "During the 2018-2019 school year, did you apply to graduate school?" Data were tabulated by selecting only undergraduates who were graduating during the spring of 2019 and indicated they intended to earn either a master's degree or a doctoral degree.

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. Volunteer for Data Buddies by signing-up here

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# Get Involved With CRA-WP Opportunities

CRA-WP
Computing Research Association
Widening Participation

## Deadline February 1: Scholarships for Women Studying Information Security (SWSIS):

The SWSIS program provides scholarships of up to $10,000 for women in the formative stages of their Bachelor's and Master's degrees in fields relating to information security.

SWSIS is a partnership of Applied Computer Security Associates (ACSA) and CRA-WP. Its long-term goal is to contribute to increasing the representation of women in the information security workforce. ACSA founded the SWSIS scholarship program in 2011 and joined forces with CRA-WP in 2014 to lead the selection process. As of fall 2019, SWSIS scholarships have been awarded to over 90 women studying information security.

Apply now at www.swsis.org.

## Deadline February 15: Distributed Experiences for Undergraduates

**Are you a student interested in exploring research in computer science or faculty interested in being a research mentor?**

Check out the CRA-WP Distributed Research Experiences for Undergraduates (DREU) program.

The DREU program matches students with faculty mentors for summer research experiences at the faculty mentor's home institution. DREU interns are directly involved in a research project with graduate students and professors, and faculty mentors work with new students from other institutions. Applications are currently open for both students and mentors; apply by February 15, 2021**.**

Click here for the Summer 2021 Application

**Learn about first hand experiences with the DREU program in** this new video**.**

## Nominations Due March 31: CRA-WP Skip Ellis Early Career Award

Nominations for the Skip Ellis Early Career Award are now open!

CRA-WP is excited to launch the second cycle of its newest award, the Skip Ellis Early Career Award. The award recognizes outstanding scientists and engineers in computing who identify as a member of a group underrepresented in computing (African-American, Latinx, Native American/First Peoples, and/or people with disabilities).

Detailed information about the award and nomination submission can be found on the Skip Ellis Early Career Award webpage.

## Nominations Due March 31: CRA-WP Anita Borg Early Career Award (BECA)

Nominations for the Anita Borg Early Career Award (BECA) are now open!

The award honors the late Anita Borg, who was an early member of CRA-WP and is inspired by her commitment to increasing the participation of women in computing research.

Detailed information about the award and nomination submission can be found on the Anita Borg Early Career Award (BECA) website.

# Professional Opportunities

## Amherst College

*Visiting Assistant Professor of Computer Science*

The Department of Computer Science invites applications for a full-time position at the rank of visiting assistant professor, beginning July 1, 2021. This is a two-year appointment, with the possibility of renewal for one additional year. The teaching responsibility is two courses per semester.

Within the past two decades, Amherst College has profoundly transformed its student body in terms of socioeconomic status, ethnicity, race, and nationality. Today, nearly one-quarter of Amherst's students are Pell Grant recipients; 43 percent of our students are domestic students of color; and 10 percent of our students are international students.

The successful candidate must have a Ph.D. in hand or have fulfilled all requirements for the degree by the start of the appointment. We seek a colleague who is committed to excellence in undergraduate computer science education and who is comfortable teaching courses in a variety of areas.

Amherst College is located in Western Massachusetts, about a two-hour drive from Boston and three hours from New York City. The college is part the Five College Consortium, which supports collaborations with nearby Hampshire, Mount Holyoke, and Smith Colleges, and with the University of Massachusetts. Students and faculty enjoy top-notch computing facilities, including technology-equipped classrooms, multimedia laboratories, and a high-performance computing cluster.

Applicants should submit electronically to *https://apply.interfolio.com*. Candidates are asked to send a cover letter, curriculum vitae, three confidential letters of recommendation and a brief teaching statement, which should include a description of their teaching experience, and a discussion of what courses they feel prepared to teach.

Review of applications will begin immediately and will continue until the position is filled. Applications received by February 15, 2021 will be guaranteed consideration.

Amherst College is an equal opportunity employer and encourages women, persons of all genders, persons of color, and persons with disabilities to apply. The college is committed to enriching its educational experience and its culture through the diversity of its faculty, administration, and staff. For questions, contact the department chair, Prof. Scott Kaplan at *sfkaplan@amherst.edu*.

## Argonne National Laboratory

*Postdoctoral Appointee in Quantum Information Science*

Argonne National Laboratory seeks multiple postdoctoral appointees to participate in projects that model the behavior of multiqubit systems, develop quantum algorithms for materials simulations, perform quantum network simulations, and develop quantum network protocols. Postdoctoral appointees will have a unique opportunity to become part of *Q-NEXT*, a National Quantum Information Science Research Center. We seek exceptional candidates with a recent or expected Ph.D. in a computational or engineering discipline or in physics with experience in one or more of the following:

- Simulation of open quantum systems, noise characterization, or quantum error correction;
- Development of variational quantum algorithms with applications in quantum chemistry;
- Simulations of quantum networks or development of quantum network protocols;
- Optimization of quantum algorithms and quantum programming (e.g., using Qiskit);
- High-performance computing or scientific computing;
- Large-scale code development in C, C++, Python, or Go.

**Application link:** Please apply at *https://bit.ly/34beW6M*. Contact Martin Suchara (*msuchara@anl.gov*) with any questions.

## Arizona State University

*Assistant/Associate/Full Professor in Artificial Intelligence*

The Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing, Informatics, and

# Professional Opportunities

Decision Systems Engineering (CIDSE) seeks applicants for a tenure-track faculty position in Artificial Intelligence (AI), Machine Learning and Natural Language Processing (NLP). All aspects of AI and Machine Learning will be of interest including knowledge representation, deep learning, adversarial learning, sparse learning, optimization methods, and reinforcement learning. Areas of NLP will include question answering, natural language understanding, connecting language and machine perception, dialog systems, document understanding, natural language generation, and machine translation. The originality and potential impact of each candidate's work are higher priorities than the specific area of research.

The AI and Machine Learning groups in the School of Computing, Informatics, and Decision Systems Engineering include faculty working on a variety of topics including natural language processing, computer vision, automated planning, knowledge representation and machine learning with applications to robotics, security and intelligent tutors. Extensive collaborations exist across the university, including School of Human Evolution and Social Change (*https://shesc.asu.edu/*), Department of Biomedical Informatics (*https://health.asu.edu/department-biomedical-informatics*), the Biodesign Institute (*https://biodesign.asu.edu/*), School of Criminology and Criminal Justice (*https://ccj.asu.edu/programs/bs/criminology-and-criminal-justice*) and the Center for the Study of Religion and Conflict (*https://csrc.asu.edu/*). The current opening is intended to broaden this expertise and expand collaborations.

Required qualifications: Earned Ph.D., or equivalent, in Computer Science, or a closely related field by the time of appointment. Required qualifications also include demonstrated evidence of research capability and commitment to teaching excellence. Desired qualifications: Record of acquiring external funding and publication in top-tier journals/conferences as appropriate to the candidate's rank, and a commitment to participating on and leading transdisciplinary teams addressing problems of high societal impact.

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 2021.

Application deadline is January 10, 2021. 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
- Diversity statement*
- Contact information for at least three references

*The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, and

inclusion and how future activities will align with upholding the ASU Charter.

For further information or questions about this position please contact Professor Chitta Baral at (*chitta@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 Systems and Blockchain Security***

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 Distributed Systems / Blockchain / Security in the School of Computing, Informatics, and Decision Systems Engineering (CIDSE). Areas of interest include, but are not limited to: the robustness, security, and resilience of distributed systems; secure distributed consensus algorithms; internet-scale distributed security; distributed cybersecurity approaches; theory and applications of blockchains and cryptography; secure distributed learning; game-theoretic approaches to cybersecurity; secure multiparty computation, data management, and cryptography; the distributed Internet of Things; and other emerging areas covering various intersections of distributed systems, blockchain, and cybersecurity.

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 2021.

Application deadline is January 15, 2021. 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
- Diversity statement*
- Contact information for at least three references

*Candidates are required to submit a Diversity Statement, outlining their experience and commitment to enhancing diversity and access to education, and working broadly with diverse communities.

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/*

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## Arizona State University

*Professor (All Ranks) in Bio-inspired Computation*

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 consider exceptionally strong senior candidates. 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. The position is joint between FSE and the Biodesign Center for Biocomputation, Security and Society (CBSS). 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. Areas of interest include: adaptive systems, evolutionary computation, bio-inspired AI and algorithms, computational modeling (especially immunology, evolution, and cancer), cybersecurity, and intelligent systems. Originality, fit with the Center, strong interdisciplinarity, and the potential impact of the candidate are higher priorities than specific research area.

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 2021. 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.

Application deadline is January 21, 2021. 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
- Diversity statement*
- Contact information for four references

*Candidates are required to submit a Diversity Statement (one page maximum) which outlines their experience and commitment to enhancing diversity and access to education and working broadly with diverse communities.

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/*.

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## Arizona State University

*Clinical Assistant Professor of Data Science*

Arizona State University is accepting applications for a Clinical Assistant Professor of Data Science.

For job information and to apply, please visit *https://www.mathjobs.org/jobs/list/16994*

## Arizona State University

*Professor (All Ranks) in High Performance Machine Learning and Big Data (Job #16536)*

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for a tenure-track/tenured faculty position in "**High Performance Machine Learning and Big Data**" in the School of Computing, Informatics, and Decision Systems Engineering (CIDSE). This search will target scientists and engineers with research into high performance big data systems for acquiring, processing, and analyzing real-time, large-scale, and multi-modal data and for supporting machine learning to convert data into actionable information and knowledge. Areas of interest include applied and theoretical innovations in high performance, real-time, and distributed data management, analysis, and machine learning, especially innovations leveraging cloud-based deployments and modern hardware. Candidates with big data application interest in one or more of our key research thrust areas of Health, IoT, Space, Cybersecurity, 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://caoe.asu.edu/*, Center for Cybersecurity and Digital Forensics (CDF) *https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics*, Center for Embedded Systems (CES) *https://ces.asu.edu/* 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, network algorithms and optimization, 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 2021.

Application reviews will begin on **January 15, 2021**. 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
- Diversity statement*
- Contact information for at least three references

*Candidates are required to submit a Diversity Statement, outlining their experience and commitment to enhancing diversity and access to education, and working broadly with diverse communities.

For further information or questions about this position please contact Professor K. Selcuk Candan at (*candan@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 TitleIXstatement at *https://www.asu.edu/titleIX/*

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## Auburn University

*Department of Computer Science and Software Engineering*

*Lecturer/Senior Lecturer Position*

The Department of Computer Science and Software Engineering (CSSE) at Auburn University invites applications for a full-time non-tenure track faculty lecturer or senior lecturer position to begin in spring 2021 or later, for its online Bachelor of Computer Science program (*https://csonline.eng.auburn.edu/*). A successful candidate must possess a master's degree or higher in computer science, software engineering, or a closely related field from an ABET accredited institution prior to the date of appointment. Candidates with (or close to earning) a PhD and who have teaching and/or industrial experience will be preferred. Salary and level will be commensurate with the candidate's qualifications and experience. We encourage candidates from all areas of computer science and software engineering to apply. Excellent communication skills are required.

The typical teaching load will be two 3-credit-hour online courses per 8-week online term (4 terms per academic year). This is a 9-month appointment with the expectation of teaching during the summer term for additional compensation. Application link: *https://aufacultypositions.peopleadmin.com/postings/4210*.

Applicants should submit a cover letter, curriculum vita, statement of teaching

philosophy, unofficial transcripts and names (names only, letters not required at application time) of one to three references at the application link above. Submission of teaching evaluations is optional but encouraged. The review process is ongoing and will continue until the position is filled.

The department currently has 25 full-time tenure-track and seven teaching-track faculty members, who support strong undergraduate (Bachelor of Computer Science, Bachelor of Software Engineering, and BS in Computer Science) and graduate programs (MS in CSSE, MS in Cybersecurity Engineering, MS in Data Science & Engineering, and PhD in CSSE). Current student enrollment is over 1200 undergraduate and over 200 graduate students. While teaching faculty are not required to engage in research, the department encourages research and can support activities such as involving undergraduates in research and conference attendance. There is also opportunity for candidates with master's degrees to pursue the PhD degree on a part-time basis. More information about the department is available at *http://www.eng.auburn.edu/csse/*.

CSSE is the highest ranked computer science department in Alabama, fifth among SEC schools, and among the top 100 departments in the nation according to the latest rankings from U.S. News and World Report. Auburn University is one of the nation's premier public land, sea, and space-grant institutions. Auburn maintains high levels of research activity and high standards for teaching excellence, offering Bachelor's, Master's, Educational Specialist, and Doctor's degrees in agriculture and engineering, the professions, and the arts and sciences. The university is nationally recognized for its commitment to academic excellence, its positive work environment, its student engagement, and its beautiful campus.

Auburn residents enjoy a thriving community, recognized as one of the "best small towns in America," with moderate climate and easy access to major cities or to beach and mountain recreational facilities. Situated along the rapidly developing I-85 corridor between Atlanta, Georgia, and Montgomery, Alabama, the combined Auburn-Opelika-Columbus statistical area has a population of over 500,000, with excellent public school systems and regional medical centers.

Selected candidates must be able to meet eligibility requirements to work legally in the United States at the time of appointment for the proposed term of employment. Auburn University is an EEO/Vet/Disability Employer and committed to building an inclusive and diverse community. It is our policy to provide equal employment opportunities for all individuals without regard to race, sex, religion, color, national origin, age, disability, protected veteran status, genetic information, sexual orientation, gender identity, or any other classification protected by applicable law. Auburn University is understanding of and sensitive to the family needs of faculty, including dual-career couples.

## Auburn University

*Department of Computer Science and Software Engineering*

*Multiple Faculty Positions*

The Department of Computer Science and Software Engineering (CSSE), situated within the Samuel Ginn College of Engineering, invites applications for multiple tenure-track faculty positions. We seek candidates at the Assistant Professor level, although outstanding candidates at a senior level will also be considered. Salary will be commensurate with the candidate's qualifications. Responsibilities include research, graduate student supervision, graduate and undergraduate teaching, and service. A Ph.D. degree in computer science, software engineering, or a closely related field must be completed by the start of appointment. Applicants must have the potential to develop a vigorous externally funded research program and a commitment to teaching.

While applications from candidates with expertise in any area of computer science will be considered, focus areas are **Human-Computer Interaction** (HCI), **Systems** (broadly defined to include operating systems, compilers, programming languages, software environments, advanced architectures, parallel and distributed computing, etc.), **Software Engineering** (SE), and **Data Science**. We are especially interested in candidates with expertise in multiple areas such as HCI & SE, HCI & Artificial Intelligence, SE & Security, and Systems

& Quantum Computing. *We welcome applications from women and those belonging to underrepresented groups in computer science.*

CSSE is home to the Auburn Cyber Research Center (***http://cyber.auburn.edu***), and is affiliated with the McCrary Institute for Cyber and Critical Infrastructure Security (***http://mccrary.auburn.edu***). The department has 25 full-time tenure-track and 7 teaching-track faculty members, who support a dynamic research enterprise and strong undergraduate and graduate programs (M.S. in CSSE, M.S. in Cybersecurity Engineering, M.S. in Data Science & Engineering, and Ph.D. in CSSE). Current student enrollment is over 1200 undergraduate and over 200 graduate students. Further information may be found at the department's home page ***http://www.eng.auburn.edu/csse***.

CSSE is the highest ranked computer science department in Alabama, fifth among SEC schools, and among the top 100 departments in the nation according to the latest rankings from U.S. News and World Report. It was one of the first computer science departments in the nation to offer an ABET accredited undergraduate degree in software engineering. The college of engineering is ranked among the top 30 public engineering colleges in the country. Auburn University is one of the nation's premier public land, sea, and space-grant institutions. As a Carnegie R1 research university, Auburn maintains high levels of research activity as well as high standards for teaching excellence, offering Bachelor's, Master's, Educational Specialist, and Doctor's degrees in agriculture and engineering, the professions, and the arts and sciences. Organized into twelve academic colleges and schools, Auburn's 1,643 instructional faculty members offer more than 200 educational programs. The University is nationally recognized for its commitment to academic excellence, its positive work environment, its student engagement, and its beautiful campus.

Auburn residents enjoy a thriving community, recognized as one of the "best small towns in America," with moderate climate and easy access to major cities or to beach and mountain recreational facilities. Situated along the rapidly developing I-85 corridor between Atlanta (GA) and Montgomery (AL), the combined Auburn-Opelika-Columbus statistical area has a population of over 500,000, with excellent public school systems and regional medical centers.

Applicants should submit a cover letter, curriculum vita, research vision, teaching philosophy, and names of three to five references at ***https://www.auemployment.com/postings/20004***. There is no application deadline.

The application review process will begin December 1, 2020 and continue until successful candidates are identified.

Selected candidates must be able to meet eligibility requirements to work legally in the United States at the time of appointment for the proposed term of employment. Auburn University is an Affirmative Action/Equal Opportunity Employer. It is our policy to provide equal employment opportunities for all individuals without regard to race, sex, religion, color, national origin, age, disability, protected veteran status, genetic information, sexual orientation, gender identity, or any other classification protected by applicable law. Auburn University is supportive of the family needs of faculty, including dual-career couples.

## Baidu USA

*Postdoctoral Researchers in Cognitive Computing*

Baidu Research Cognitive Computing Lab (CCL) is looking for outstanding researchers with strong background in machine learning, statistics, applied mathematics, systems, databases, NLP, computer vision, security, theoretical computer science, etc. Our mission is to develop next generation cognitive computing technologies for better connecting billions of users to services. Our postdoctoral researchers are expected to focus on basic research in broad AI-related fields. This would be an excellent opportunity for fresh PhD graduates in CS, Statistics, EE, Amath, etc., to spend 1 – 3 years in an industrial research environment to prepare for their long-term research careers either in academia or research labs.

**Qualifications:**

1. PhD in Computer Science, Statistics, Electrical Engineering, Mathematics, Operation Research, or related fields.
2. Excellent publication record in major CS conferences or premier Stat/EE/SIAM journals. Examples are CVPR,

FOCS, KDD, ACL, WWW, ICML, SIGMOD, JMLR, PAMI, IEEE Info. Theory, major statistics/mathematics journals, SIAM J. Computing, SIAM J. Optimization, etc.

3. Strong analytical and problem-solving skills.
4. Team player with good communication skills.

Locations: Bellevue WA, Sunnyvale CA, or Beijing China. Please send CV to *ccl-job@baidu.com*

## Baidu Research Cognitive Computing Lab

*Postdoctoral Researchers in Cognitive Computing*

Baidu Research Cognitive Computing Lab (CCL) is looking for outstanding researchers with strong background in machine learning, statistics, applied mathematics, systems, databases, NLP, computer vision, security, theoretical computer science, etc. Our mission is to develop next generation cognitive computing technologies for better connecting billions of users to services. Our postdoctoral researchers are expected to focus on basic research in broad AI-related fields. This would be an excellent opportunity for fresh PhD graduates in CS, Statistics, EE, Amath, etc., to spend 1 – 3 years in an industrial research environment to prepare for their long-term research careers either in academia or research labs.

Qualifications:

1. PhD in Computer Science, Statistics, Electrical Engineering, Mathematics, Operation Research, or related fields.
2. Excellent publication record in major CS conferences or premier Stat/EE/SIAM journals. Examples are CVPR, FOCS, KDD, ACL, WWW, ICML, SIGMOD, JMLR, PAMI, IEEE Info. Theory, major statistics/mathematics journals, SIAM J. Computing, SIAM J. Optimization, etc.
3. Strong analytical and problem-solving skills.
4. Team player with good communication skills.

Locations: Bellevue WA, Sunnyvale CA, or Beijing China. Please send CV to *ccl-job@baidu.com*

## Baylor University

*McCollum Endowed Chair of Data Science*

The McCollum Family Endowed Chair in Data Science is a research-focused position in the Baylor University Computer Science and Informatics Department. Data Science is one of the five Signature Academic Initiatives in Baylor's strategic plan Illuminate (*Illuminate - Data Science*) and is involved in key research for the University (*Data Science Research*). This transformative, endowed position is a visionary investment in the future of Data Science research and education across the university (*Endowment Details*).

**Qualifications:** The University invites applications for this tenure-track position at the rank of full Professor beginning in the Fall 2021 semester. An ideal candidate will help shape a comprehensive, university-wide strategic plan for Data Science. This will be done through leadership, collaboration, and growth of infrastructure and interdisciplinary research. Applicants should have a Ph.D. in Data Science or a related discipline; Baylor is recruiting new faculty with a deep commitment to excellence in teaching, research, and scholarship. Other qualifications include an established history of extramural funding, high impact academic artifacts, and graduate student mentorship. A viable applicant should demonstrate excellent potential as an individual researcher and collaborator across multiple disciplines.

**The Department:** Computer Science and Informatics is one of three departments in the School of Engineering and Computer Science. It offers a B.S. in Informatics with majors in Data Science and Bioinformatics, B.S. and B.A. degrees in Computer Science, and a B.S. in Computing with a major in Computer Science Fellows. On location M.S. and Ph.D. degrees in Computer Science are offered, as well as an online M.S. program which started Fall 2020. The Department has 17 full-time faculty, over 280 undergraduates, and over 25 graduate students. Departmental website: *Informatics*

**The University:** Baylor University is a private Christian university and a nationally ranked research institution, consistently listed with highest honors among The Chronicle of Higher Education's "Great Colleges to Work For." Baylor seeks faculty who share in our aspiration to become a tier-one research institution while strengthening our distinctive Christian mission. As the world's largest Baptist University, Baylor offers over 40 doctoral programs and has over 17,000

students from all 50 states and more than 85 countries.

**Appointment Date:** Fall 2021. For full consideration, applications must be received by December 31, 2020.

Application Procedure: To apply, please submit a letter of application, a 1-2 page research plan, a 1-2 page teaching philosophy, a copy of an official transcript showing the highest degree conferred (if the Ph.D. is in progress, a copy of the official transcript of completed Ph.D. hours should also be submitted), and the names and email addresses of three persons willing to provide letters of recommendation as a single PDF file through this Interfolio link: *Application Link* Finalists for this position will be required to submit official transcripts for the doctoral degree in advance of a campus visit. Inquiries about the position can be sent to *CSSearch@Baylor.edu*.

*Baylor University is a private not-for-profit university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity employer, Baylor is committed to compliance with all applicable anti-discrimination laws, including those regarding age, race, color, sex, national origin, marital status, pregnancy status, military service, genetic information, and disability. As a religious educational institution, Baylor is lawfully permitted to consider an applicant's religion as a selection criterion. Baylor encourages women, minorities, veterans and individuals with disabilities to apply.*

## Berry College

*Tenure Track Assistant/Associate Professor of Computer Science*

**JOB DESCRIPTION:**

The Department of Mathematics and Computer Science at Berry College invites applications for a tenure-track Assistant/Associate Professor position in Computer Science starting August 2021. This person will have the opportunity to help shape the direction and growth of a newly designed Computer Science major. Potential interdisciplinary collaborations with the natural sciences, data science/analytics, creative technologies, or entrepreneurship are open to the new faculty member.

For a full job description and application instructions, visit:

*https://berry.interviewexchange.com/jobofferdetails.jsp?JOBID=126342*

## Boise State University

*Lecturer*

The Department of Computer Science at Boise State University invites applications for a full-time Lecturer to teach undergraduate courses. Seeking applicants with a passion for teaching.

Applicants should have a Master's degree in computer science or closely related field. A Master's degree in another field is acceptable if Bachelor's degree is in computer science or closely related field.

Boise State has made significant investment in the growth of the department, which is a critical part of the software and high-tech industry in Boise. Eighteen new faculty hires, a new building downtown, and new undergraduate and graduate programs have been added as the department has more than tripled in size. In 2020, U.S. News and World Reports ranked the department's undergraduate program No. 171 out of 481 national universities.

About the City of Boise:
*http://www.boisechamber.org/*

About the Department:
*http://boisestate.edu/coen-cs/*

**Application Procedure Instructions:**

Please visit our *Lecturer Posting* to submit a cover letter addressed to the CS Search Committee indicating your interests and qualifications for this position, a resume or CV that includes employment history (including dates of employment), and three professional references with contact information.

## Boise State University

*Assistant or Associate Professor, Computer Science*

The Department of Computer Science at Boise State University invites applications for a tenure-track/tenured faculty position at Assistant/Associate ranks. Seeking applicants in software engineering with an emphasis in secure software or other cybersecurity related research.

Exceptional software engineering applicants without a cybersecurity background will also be considered.

Candidates are expected to teach undergraduate and graduate courses, develop a strong research program funded by external sources, support and mentor undergraduate and graduate students, and provide service to the University and the profession along with other activities typical for a tenure-track faculty.

A PhD in computer science, or a closely related field, is required by the date of hire. Applicants for the associate professor rank should have an established record of excellence in teaching, significant contributions in research, and experience in collaborating with faculty or industry to develop and sustain funded research programs. Applicants for the assistant professor rank should have a demonstrated potential for establishing such a record.

Boise State has made significant investment in the growth of the department, which is a critical part of the software and high-tech industry in Boise. Eighteen new faculty hires, a new building downtown, and new undergraduate and graduate programs have been added as the department has more than tripled in size. In 2020, U.S. News and World Reports ranked the department's undergraduate program No. 171 out of 481 national universities.

**About the City of Boise:**
*https://boise.org/*

**About the Department**: *https://www.boisestate.edu/coen-cs/*

**Application Procedure Instructions:**

Please visit *https://jobs.boisestate.edu/en-us/job/493142/assistant-or-associate-professor* to submit a cover letter addressed to the CS Search Committee indicating your interests and qualifications for this position, a CV that includes employment history (including dates of employment), and statements of research and teaching interests. Provide three professional references with contact information.

## Boston University

*Assistant Professor of Computational Linguistics*

Boston University invites applications for a tenure-track Assistant Professor of Computational Linguistics for primary appointment in the Department of Linguistics, with secondary appointment in or affiliation with the Computer Science Department, to begin July 1, 2021. The candidate will conduct research; teach courses in Computational Linguistics and related areas (Linguistics, Computer Science) at all levels; and advise graduate and undergraduate students. The successful applicant will have excellent programming skills, experience in computational linguistic research, and a broad vision and general knowledge of the field of computational linguistics. The new hire will play a key role in our joint undergraduate major in Linguistics & Computer Science and help us develop a professional Master's program that will serve students with a background in Linguistics and/or Computer Science, paving the way for a wide variety of potential placements and careers. Requirements include a PhD in Linguistics (or Computational Linguistics) in hand by the start date, including some formal training in Computer Science, plus demonstrated excellence in teaching, advising, and research. For further information about our academic programs, see *https://ling.bu.edu/*and *https://www.bu.edu/cs/.*

Application materials should be uploaded as individual PDF files through Academic Jobs Online at *https://academicjobsonline.org/ajo/jobs/17201.* These should include a 2-page cover letter plus separate statements about research; teaching; and diversity (describing past experience with and/or future plans for contributing to diversity and inclusion through research, teaching, and/or service), of not more than 2 pages each. Please also upload a curriculum vitae, documentation of success in teaching (e.g., complete sets of teaching evaluations), and three selected publications.

Three reference letters are to be uploaded by recommenders. For full consideration, applications should be complete by December 1, 2020.

Boston University is an AAU institution with a rich tradition of inclusion and social justice. We are proud that we

were the first American university to award a PhD to a woman (1877) and that Martin Luther King Jr. received his PhD here (1955). The Linguistics Program is committed to the College of Arts & Sciences Diversity and Inclusion Strategic Plan (*https://www.bu.edu/cas/about/diversity-inclusion/*) for building a diverse, inclusive, and accessible environment for all. Applications from women, minorities, and candidates from other underrepresented groups are strongly encouraged. Recognizing that diversity of experience deepens the intellectual endeavor, we are dedicated to increasing the participation of all talented students, including those from underrepresented groups, in the study of language and are particularly interested in scholars who can contribute to the diversity and inclusiveness of the academic community, at BU and beyond, through their research, teaching, and service.

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.

## Boston University

*Multiple Faculty Positions in Computing & Data Sciences*

The Faculty of Computing & Data Sciences at Boston University invites applications for three faculty positions. Qualifications required of all applicants include a PhD in any of the disciplines that span computing and data sciences; a strong record of research; a demonstrated capacity for interdisciplinary collaboration; and a commitment to innovation in teaching at the undergraduate and graduate levels.

Founded in 2019, CDS is a university-wide, degree-granting academic unit comprising scholars in core and applied areas of computing and data science. CDS will be housed in an iconic 19-story building with a convention-bending design inside and out at the heart of the BU Campus.

BU expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly community, which is essential to its mission. While all candidates will be considered, special attention will be given to candidates from underrepresented groups. Candidates working in the following broad areas of research should apply:

(1) Research examining issues related to the design and analysis of algorithmic, computational, and data-driven/AI decision systems within the context of legal, societal, and public policy frameworks, including the consideration of verifiability, transparency, privacy, security, and trust of computing and data systems as they relate to concepts of autonomy, consent, governance, liability, equity, fairness, and ethics.

(2) Research on design and implementation of data mining, machine learning, and AI systems, which are inspired by concepts from, or address unique challenges arising in specific application domains, ranging from the natural, physical, biomedical, and social sciences to public health, education, business intelligence, emerging media communications, computational humanities, human-computer interactions, and digital arts.

(3) Research at the interface of social sciences, economics, and computation, including algorithmic mechanism design, computational social choice, bounded rationality and regret minimization, explainable machine learning, behavioral modeling for autonomous and multi-agent systems, data markets, pricing and fair division of shared resources, reputation systems, online and multisided marketplace platforms, and human-centered AI.

We are accepting applications for a tenured position in the first area identified above and tenure-track positions in the other two areas. Information about all positions is available at *https://www.bu.edu/cds-faculty/join-us/faculty-positions-available/*.

BU is 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.

## Boston University

*Associate Professor of the Practice*

The Department of Computer Science invites applications for a non-tenure track Associate Professor of the Practice position beginning July 1, 2021. 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. Particular attention will be given to candidates with research experience in artificial intelligence, machine learning, deep learning, natural language processing, and related areas.The Department consists of a diverse group of 33 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, 2020 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/17178***. Applications should include a cover letter, CV, research statement, teaching statement, up to three sample publications, and three reference letters.

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.

## Bowdoin College

*Computer Science Tenure Track Assistant Professor*

Bowdoin College's Computer Science Department invites applications for tenure-track position at the rank of Assistant Professor to begin July 1, 2021. We seek applications from all areas of computer science, including interdisciplinary fields.

Bowdoin is seeking a colleague with a strong commitment to research and a promise of long-term successful scholarly engagement as well as a dedication to teaching excellence in a liberal arts environment. The position comes with generous research support including startup funding, a fully-funded, year-long junior sabbatical leave (after three years of teaching and successful reappointment), regular post-tenure sabbaticals, as well as conference and travel support. Bowdoin also provides robust assistance in securing funding from outside agencies.

The teaching load is two courses per semester. The successful candidate will share with all members of the department responsibility for introductory

and intermediate level courses and will teach advanced courses in their area of specialization. Department faculty are committed to providing research opportunities for undergraduate students; the successful candidate will be expected to mentor independent projects and to actively encourage student involvement in their research. A Ph.D. in computer science is expected by the time of appointment.

Computer Science at Bowdoin is a dynamic and highly regarded department that has seen significant growth over the last decade; it is the fifth largest major overall and second among the sciences. Faculty members have developed innovative courses that explore, for example, social networks in politics, ethical issues in computing, and computational creativity. In collaboration with the new Digital and Computational Studies Program, we have expanded the scope of what computation at Bowdoin comprises. In addition, the College has invested significant and on-going resources to increase the diversity of faculty and students in computer science and STEM fields more generally. These efforts are being further strengthened by external grants, student initiatives, and alumni donations.

Bowdoin is a learning community that warmly welcomes people of all backgrounds. We encourage applications from candidates committed to the instruction and support of a diverse student population and from those who will enrich and contribute to the College's multifaceted diversity. We especially encourage people from underrepresented groups to apply. In your application materials, please address how your teaching, scholarship, and/or mentoring would support our commitment to diversity and inclusion. Please visit us at the Bowdoin College virtual booth at the Society for Advancement of Chicanos/Hispanics and Native Americans in Science Conference, October 19-24, 2020!

We recognize that recruiting and retaining faculty may involve considerations of spouses and domestic partners. To that end, where possible, the College will attempt to accommodate and respond creatively to the needs of partners and spouses of members of the faculty.

Bowdoin College accepts only electronic submissions. Please visit ***https://careers.bowdoin.edu*** to submit: 1) cover letter; 2) curriculum vitae; 3) statement of research plans; 4) statement describing teaching philosophy/experience; 5) statement describing potential contributions to diversity and inclusion; 6) names and contact information for three references who have agreed to provide letters of recommendation upon request. Applications will be reviewed on a rolling basis, beginning December 15, 2020. We expect to conduct this search remotely, in consideration of the health and safety of candidates and the Bowdoin community.

Founded in 1794 on the Maine coast, Bowdoin is one of the oldest and most selective coeducational, residential liberal arts colleges in the country. Located in Brunswick, a 30-minute drive north of Portland, the College is in an area rich with natural beauty and year-round outdoor activities. Bowdoin's reputation rests on the excellence of its faculty and students, intimate size, strong sense of community, and commitment to diversity (35.3% students of color, 7.4% international students and approximately 15% first generation college students). Bowdoin College complies with applicable provisions of federal and state laws that prohibit unlawful discrimination in employment, admission, or access to its educational or extracurricular programs, activities, or facilities based on race, color, ethnicity, ancestry and national origin, religion, sex, sexual orientation, gender identity and/or expression, age, marital status, place of birth, genetic predisposition, veteran status, or against qualified individuals with physical or mental disabilities on the basis of disability, or any other legally protected statuses. For further information about the College and our department, please visit our website: ***http://www.bowdoin.edu.***

## Brown University

***Lecturer in Computer Science***

The Department of Computer Science at Brown University is seeking applicants for a faculty position at the rank of lecturer, senior lecturer, or distinguished senior lecturer. We strive to build a diverse and inclusive environment for all members of our community, and are particularly interested in candidates whose teaching, service, and scholarship (if applicable) can further our efforts. Brown also aims to foster a diverse and inclusive environment;

its detailed vision and action plan for realizing this commitment is articulated in Pathways to Diversity and Inclusion.

The initial appointment would be for a 3-year period (renewable with potential for promotion and longer-term contracts). This position is part of a major expansion plan for the department as it is increasing its roster by 50% over the next few years. The position involves teaching four undergraduate courses per year and advising undergraduate CS majors. At least some of the teaching would be in first- and second-year courses. Candidates will also teach some upper-level undergraduate courses, based on their expertise and department needs. The department seeks candidates who will contribute to its overall intellectual culture; lecturers are included in faculty meetings, advise undergraduate research projects, and participate in graduate research with the rest of the faculty. Lecturers with substantial research participation and supporting funds may be eligible for periodic course release. The department values teaching and educational innovation, and welcomes candidates interested in formally researching computing education in the context of their teaching. We are also emphasizing socially responsible computing throughout our curriculum.

Brown offers a vibrant community for both teaching and research, with 31 tenured and tenure-track faculty members, three lecturers, three research faculty and several affiliated, adjunct, and visiting faculty members. The department has a strong undergraduate culture, anchored by a mature program for undergraduate teaching assistants (endowed at $10 million), as well as a long history of top-caliber published undergraduate research. Research and graduate programs leverage disciplinary strengths in CSas well as Brown's broader interdisciplinary culture. CS is a founding partner in multiple university-wide initiatives including Data Science, Computational and Molecular Biology, Cybersecurity, and Human-Centered Robotics.

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 ask the candidates to report any relevant experience, including work with diverse constituents, and plans in their teaching statements.

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

The position is expected to start in the fall of 2021. In selecting candidates, we will consider quality of teaching, evidence of effective teaching, commitment to diversity and inclusion, and compatibility with the area needs and interests of the department, as well as potential for effective participation in department or university activities. For all applicants, we will consider potential for impact beyond Brown (through teaching, research, significant system building, outreach, or other professional activities, as appropriate for the candidate). Applicants must have a Ph.D. by the start of the position. Applicants must submit a cover letter, a CV, a teaching statement, a diversity statement (which can be included in the teaching statement) and a research statement (or a statement describing other significant professional activities beyond classroom instruction). Candidates must also arrange for at least three letters of reference to be submitted through the application website.

To apply, please use Interfolio (*https://apply.interfolio.com/79399*). **Review will begin on November 1, 2020,** but applications will be considered until the position is filled. Inquiries may be addressed to: *teaching_faculty_search_2021@lists.cs.brown.edu*

## Brown University

*Tenure-track Faculty in Computer Science*

The Department of Computer Science at Brown University is hiring a tenure-

track faculty member at the level of Assistant Professor. We strive to build a diverse and inclusive environment for all members of our community, and are particularly interested in candidates whose scholarship, teaching and service can further our efforts. Brown also aims to foster a diverse and inclusive environment; its detailed vision and action plan for realizing this commitment is articulated in Pathways to Diversity and Inclusion.

We are focused on candidates whose research addresses at least one of the following:

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

While we are specifically interested in candidates who connect to the areas listed above, we will also consider other candidates who have the potential to make exceptional contributions to our goals. Applicants whose research may relate to our other open position in Data Science (*https://www.brown.edu/initiatives/data-science/about/jobs-dsi*) are encouraged to apply to both searches.

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. As a part of our overall plan, we are also emphasizing socially responsible computing throughout our curriculum.

The department has 31 tenure-stream and 3 research faculty members, 3 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 assistants 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.

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 must submit a cover letter, a CV, a teaching statement, and a research statement. Candidates must also arrange for at least three letters of reference to be submitted through the application website. Please also provide a diversity statement (which can be included as a part of your teaching statement), in which you summarize your past and planned contributions to diversity and inclusion. These contributions may arise from teaching/mentoring, outreach, lived experience, or other activities. (For additional information

about the university's and department's commitment to diversity and inclusion, see *www.brown.edu/about/administration/institutional-diversity/pathways* and *www.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 1, 2020** 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/79395*). Inquiries may be addressed to: *faculty_search_2021@lists.cs.brown.edu.*

## Brown University

*Open-rank Faculty Position in Data Science*

The Data Science Initiative (DSI) at Brown University seeks applications for an open rank faculty position, in partnership with Brown University's Department of Computer Science (*http://cs.brown.edu/*). Successful candidates will have a joint appointment and space for themselves and trainees in DSI, with the Department of Computer Science as their tenure home.

Engaging partners across campus and beyond, DSI facilitates and conducts both domain-driven and fundamental research in data science, educates the next generation of data scientists, and is particularly interested in the impact of the data revolution on culture, society, and social justice. DSI and CS strive to build a diverse and inclusive environment for all members of our community, and seek candidates whose scholarship, teaching and service can further our efforts. Brown also aims to foster a diverse and inclusive environment; its detailed vision and action plan for realizing this commitment is articulated in Pathways to Diversity and Inclusion (see link below).

While we welcome applicants working on a range of fundamental problems areas in data science and computer science, we are particularly interested in candidates whose work addresses real-world societal challenges in domains such as social equity and justice, and health. The Department of Computer Science is conducting an additional faculty search for an Assistant Professor; candidates who wish to be considered in both searches should apply to each search separately; detailed information on the CS search is available at *https://apply.interfolio.com/79395*.

DSI was founded in 2016 and serves as a campus hub at Brown University for research and education in data science; recent faculty hires have happened in partnership with the Department of Biostatistics (School of Public Health) and the Department of Earth, Environmental, and Planetary Sciences. On 164 Angell Street in the heart of Brown University's main campus, DSI is co-located and partners with Brown University's Center for Computational Molecular Biology, whose core faculty are drawn from the Departments of Computer Science, Biostatistics, Ecology and Evolutionary Biology and Molecular Biology, Cell Biology, and Biochemistry, as well as the Division of Applied Mathematics. 164 Angell Street also houses Brown's Carney Institute for Brain Sciences.

Junior applicants must have completed all requirements for the doctoral degree by the start of the position. The initial appointment as assistant professor at Brown University is for four years and is renewable. We are eager to try to accommodate the needs of, and welcome applications from, dual career couples.

**To apply, please submit the following to Interfolio** (*https://apply.interfolio.com/80251*): curriculum vitae, concise research and teaching statements, diversity statement (discussed further below), and for junior applicants, three letters of recommendation, with at least one letter addressing the applicant's teaching abilities and experience. Applicants for senior positions should submit five names of references whom the committee may contact.

In the diversity statement, we ask that applicants summarize their 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 Computer Science department's commitment to diversity and inclusion, see *www.brown.edu/about/administration/institutional-diversity/pathways* and *www.cs.brown.edu/about/diversity*.)

To receive full consideration, please submit all application materials by **December 1, 2020**. Inquiries should be addressed to *dsi-info@brown.edu*.

## Carnegie Mellon University Qatar

*Faculty Position in Computational Biology*

### Description

Carnegie Mellon University in Qatar invites applications for a teaching-track faculty position at any level in the field of Computational Biology. We are seeking applications from candidates in all areas of computational biology whose work and expertise is computational or combines computational approaches to solving biological problems. This is a career-oriented renewable appointment that involves teaching high-achieving undergraduate students.

The position offers a competitive salary and benefits including a foreign service premium, excellent international health care coverage, and allowances for housing, transportation, dependent schooling, and travel.

### Qualifications

Candidates must have a Ph.D. in Computer Science or related field, substantial exposure to university-level education, good leadership skills, an outstanding teaching record, and excellent research accomplishments. Strong interest in supervising undergraduate research is a positive attribute. Teaching duties would include, but are not limited to, introductory and advanced computational biology courses.

### Application Instructions

Applications, including a cover letter, a curriculum vitae (including publication list), research and teaching statements, a diversity statement (outlining how you have contributed to, or plan to contribute to, diversity, inclusion, and equity), and the contact information for at least three individuals who have been asked to upload confidential letters of reference should be submitted electronically to this link: *https://apply.interfolio.com/81740*

The deadline for applying is January 31 or until the position is filled.

Please send inquiries to the Area Head for Computer Science at CMU-Q; Khaled A. Harras at *kharras@cs.cmu.edu*.

## Carnegie Mellon University

*Assistant, Associate, or Full Professor*

The Institute for Software Research (ISR) in Carnegie Mellon University's School of Computer Science seeks candidates with strong academic credentials and compelling research vision for tenure-track faculty appointments at the rank of assistant, associate, and full professor.

Our research and educational programs focus on societal computing and software engineering. We are interested in candidates across these areas. We particularly encourage applications from candidates with interests in social network analysis and network science. ISR already has strength in these areas, as showcased by our IDeaS and CASOS centers, which we are seeking to extend and complement.

To apply, please submit your materials by Dec 18, 2020 via the SCS application page (*https://apply.interfolio.com/77192*) and mention ISR in the cover letter or societal computing as an area of interest.

We are especially interested in candidates with diverse backgrounds and a demonstrated commitment to excellence and leadership in research, undergraduate and graduate teaching, and/or service towards building an equitable and diverse scholarly community. We particularly seek candidates with a demonstrated track record in mentoring and nurturing female and underrepresented minority students. In keeping with the CRA best practices on evaluating scholarship, we pay close attention to a candidate's educational contributions, research quality and impact as opposed to arbitrary numerical measures of productivity. Carnegie Mellon considers applicants for employment without regard to, and does

not discriminate on the basis of, gender, race, protected veteran status, disability, sexual orientation, gender identity, and any additional legally protected status.

ISR is an academic department with forty faculty members whose research portfolio includes network analysis, security and privacy, social media analysis, Internet of Things, software engineering, mobile systems, and related topics. These interdisciplinary topics build on core computer science, human and organizational behavior, and policy and business considerations. ISR hosts two PhD programs and several master's programs, with more than a hundred affiliated graduate students.

The School of Computer Science (SCS) at Carnegie Mellon is home to seven departments and over 270 tenure-track, research, and teaching faculty with expertise spanning traditional computer science, human-computer interaction, language technology, machine learning, computational biology, software engineering, and robotics. The SCS offers a highly collaborative and uniquely interdisciplinary research environment that promotes innovation and entrepreneurship in both teaching and research.

## Case Western Reserve University

*Tenure-track or Tenured Associate Professor Position in Artificial Intelligence and Medical Imaging*
*Case School of Engineering*
*Departments of Biomedical Engineering and Computer & Data Sciences*

The Departments of Biomedical Engineering and Computer & Data Sciences in the Case School of Engineering at Case Western Reserve University (CWRU) invite applications for a mid-level faculty position in the area of artificial intelligence and medical imaging. Case Western Reserve University has a strong track record in developing and translating new technologies to benefit patients. The goal of this search is to identify an individual with a strong track record of productivity, federal funding and a national and international reputation in the field of artificial intelligence and medical imaging to further enhance CWRU's excellence in translational precision medicine research. Faculty in this position will have the opportunity to build upon the existing CWRU strengths in related methodologies of computer aided diagnosis, imaging methodology, and multi-modal image fusion for treatment targeting, monitoring, and evaluation.

Representative research areas will include the development and application of new and innovative AI, deep learning and machine learning based approaches for diagnosis, prognosis and prediction of treatment response in the context of cancer, cardiovascular, kidney and eye disease. Opportunities exist for interdisciplinary, inter-institutional, and integrative research in the areas of oncology, surgery, radiology, cardiovascular disease, urology, ophthalmology, and radiation oncology.

Candidates seeking this position at the Associate Professor level should have established a significant research reputation nationally, possess a record of national funding, and display a strong interest in translational and team science based research. The successful candidate will have a joint appointment in the Departments of Biomedical Engineering and Computer & Data Sciences. The Case School of Engineering values interdisciplinary thinking, creative collaboration and entrepreneurial ideas. It also believes strongly in the vital importance of diversity within the professorial ranks, both in terms of women and underrepresented minorities.

The Case School of Engineering offers an intellectually stimulating environment for students and postdocs to develop and apply image-computing solutions to highly translational and clinically relevant problems. Students and postdocs work closely with the clinical collaborators, including radiologists, pathologists, surgeons, and medical, and radiation oncologists. The CWRU campus is located in the heart of Cleveland, and is within a 10 minute walk or drive of 4 nationally and internationally renowned medical centers: University Hospitals Cleveland Medical Center, Cleveland Clinic, MetroHealth Medical Center and Louis Stokes Cleveland VA Medical Center.

**Responsibilities and Duties:**

Develop a program focused on new machine learning and computational imaging tools with applications in

precision medicine. Work closely on this initiative with faculty, staff and students in CSE, BME and the Center for Computational Imaging and Personalized Diagnostics and also clinical collaborators within the CWRU biomedical ecosystem, Lead and mentor post-doctoral trainees and graduate students. Support the Biomedical Engineering and Computer and Data Sciences departments in developing cross-functional projects. Develop and teach graduate level course on AI and precision medicine and health.

**Minimum Qualifications:**

Candidates should have a doctoral degree in computer science, electrical engineering, biomedical engineering, or in a closely related field with post-doctoral research experience in areas relevant to AI in imaging. They should have an outstanding record of research achievements and the ability to contribute to the departmental educational mission. Physician scientists are strongly encouraged to apply.

**How to Apply:**

Applicants should submit a cover letter, curriculum vitae, a statement of research interests, a summary of teaching and mentoring experiences, and the names and contact information of at least four professional referees.

Applicants are also asked to submit a statement explaining how their research, teaching, and/or service have contributed to diversity, equity and inclusion within their scholarly field(s) and/or how their individual and/or collaborative efforts have promoted structural justice inside and outside institutions of higher learning. This statement should also reflect on the ways in which the candidate's continued efforts will foster a culture of diversity, pluralism, and individual difference at Case Western Reserve University into the future.

Please send these documents electronically in one PDF file to: ***ai-imagingsearch@case.edu*** and include "*AI in Medical Imaging Faculty Search*" and YOUR NAME in the subject line. Evaluation of applications will begin immediately and continue until the position is filled.

In employment, as in education, Case Western Reserve University is committed to advancing an inclusive community in which everyone is welcome, respected, valued and heard. Along with colleagues across the university, our faculty, staff and students are engaged in continued and meaningful dialogue about issues of systemic racism, and we are determined to implement direct measures to end discriminatory practices on our campus and enhance our contributions to the communities around us.

As our society grapples with the history, legacy and persistence of entrenched racism and its impact on communities of color, we reaffirm our mission to expand opportunities for underrepresented groups; provide a multifaceted education for our students; foster a culture of diversity, pluralism and recognition of individual difference; and realize our ideals within the university and in the larger world.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants requiring 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 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.

## City University of Hong Kong

*Chair Professor/Professor/Associate Professor/Assistant Professor*

*Worldwide Search for Talent*

City University of Hong Kong is a dynamic, fast-growing university that is pursuing excellence in research and professional education. As a publicly funded institution, the University is committed to nurturing and developing students' talents and creating applicable knowledge to support social and economic advancement.

The School of Data Science at City University of Hong Kong is the first-ever standalone school in Hong Kong pioneering education and research in the new discipline of data science theory and applications. The School has developed full-fledged Bachelor, Master, and Ph.D. programmes with overwhelming intramural and extramural funding. The

current faculty is composed of globally recruited leaders with background in mathematics, statistics, computer science, and engineering fields. We are actively expanding and hiring faculty members as:

**Chair Professor/Professor/Associate Professor/Assistant Professor School of Data Science** [Ref. A/475/09]

Outstanding scholars with doctoral degrees and/or established expertise in data science or related fields in mathematics, statistics, computer science, and engineering are encouraged to apply by visiting *http://www.cityu.edu.hk/hro/en/job/current/academic.asp?ref=uac-475*. The University offers globally competitive compensations commensurate with qualifications and experience.

City University of Hong Kong is an equal opportunity employer and we are committed to the principle of diversity. Personal data provided by applicants will be used for recruitment and other employment-related purposes.

Worldwide recognition ranking 48th, and 4th among top 50 universities under age 50 (QS survey 2021); 1st in the World's Most International Universities (THE survey 2020); 1st in Engineering/Technology/Computer Sciences in Hong Kong (ARWU survey 2016); and 2nd Business School in Asia-Pacific region (UT Dallas survey 2017).

## City University of Hong Kong

*Professor/Associate Professor/Assistant Professor*

*Worldwide Search for Talent*

City University of Hong Kong is a dynamic, fast-growing university that is pursuing excellence in research and professional education. As a publicly funded institution, the University is committed to nurturing and developing students' talents and creating applicable knowledge to support social and economic advancement.

Professor/Associate Professor/Assistant Professor
Department of Computer Science
[Ref. A/430/09]

The Department of Computer Science has internationally known research groups in a number of areas, including bioinformatics, cloud computing, evolutionary computation, information security, machine learning and data science, mobile computing, multimedia computing and graphics, and software engineering. The Department is ranked the 13th best Computer Science Department globally by the US News & World Report (2020).

**For further details, please visit** *http://www.cityu.edu.hk/hro/en/job/current/academic.asp?ref=uac-a430*.

City University of Hong Kong is an equal opportunity employer and we are committed to the principle of diversity. Personal data provided by applicants will be used for recruitment and other employment-related purposes.

## Colby College

*Visiting Assistant Professor in Computer Science*

Colby College invites applications for a Visiting Assistant Professor position in Computer Science, to start on September 1, 2021. 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 2021 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*

## College of Charleston

*Three Openings - Instructor and Tenure-track Assistant Professors (2)*

The Computer Science Department at the College of Charleston (*http://bit.ly/CSatCofC*) invites applications for one Instructor position and two tenure-track Assistant Professor positions starting Fall 2021.

For the first **Assistant Professor position** (*http://bit.ly/AsstCITAatCofC*), preference will be given to candidates with expertise in one or more areas: computer graphics, game programming, computational music, spatial audio, motion capture animation, interactive sensor-driven art or sculpture installations, projection mapping, AI and machine learning applied in the arts, robotics applied in the arts, computational creativity, multi-user and collaborative systems for the arts, and related areas to support the Computing in the Arts program and our other programs.

For the second A**ssistant Professor position** (*http://bit.ly/AsstCSatCofC*), preference will be given to candidates with expertise in distributed systems, cyber security, networking, databases, and algorithms. Successful Assistant Professor candidates must demonstrate promise to maintain an active research program and mentor students. An earned Ph.D. degree in Computer Science or closely related field is required before August 15, 2021.

**The Instructor position** (*https://bit.ly/InstCSatCofC*) is primarily a teaching appointment with four course/lab sections per semester, which will also require professional development and service activities. Candidates with expertise in all areas of computer science are sought to support our undergraduate programs. An earned Master's or Ph.D. degree in Computer Science or systems, electrical, computer, or software engineering or closely related field is required before August 15, 2021.

## Colorado College

*Assistant Professor, Computer Science*

The Department of Mathematics and Computer Science at Colorado College invites applications for a tenure-track position at the Assistant Professor level in Computer Science to begin in August of 2021. We seek a computer scientist with broad teaching interests who can teach introductory as well as advanced computer science courses to a diverse community of students and mentor computer science majors who are completing their capstone experience. All candidates should be able to teach introductory and advanced computer science courses including programming and a CS elective in their primary field of study. We are also particularly interested in candidates who can teach computer architecture, data structures and algorithms, or theory of computation. The successful candidate should also be able to develop and maintain a rigorous program that can engage undergraduate students, mentor computer science students who are completing their capstone experience, and advise students who are interested in computer science. Finally, the successful candidate will be expected to contribute to the department and the College through service.

Colorado College is a nationally recognized, residential liberal arts college with about 2,000 students. Located one-hour south of Denver, the city of Colorado Springs offers many cultural and recreational activities in the foothills of the Rocky Mountain Region. The College actively promotes a dynamic and inclusive environment in which students and employees of diverse backgrounds, cultures, and perspectives can learn and work. Strong candidates should share the college's and department's deep commitment to antiracism (Antiracism at CC) and be committed to the principles of diversity, equity and inclusion (DEI) in all facets of life at the College.

The department fosters a supportive, inclusive, and equitable learning community of faculty and students who share a passion for computer science. It is our goal to provide a nurturing learning environment that stimulates growth and intellectual exploration. The department values depth and breadth

in computer science; potential for implementing innovative, inclusive and equitable teaching methods in a liberal arts setting; and mentored undergraduate research. One distinguishing feature of Colorado College is its Block Plan, in which professors teach, and students take, one course at a time. Professors teach five of eight blocks in an academic year and devote one block to supervising capstone projects. Each block is three and a half weeks long.

Applicants should describe their interest in teaching computer science in a liberal arts environment in their cover letter. Applications should also contain: a teaching statement including a discussion of your potential to incorporate active learning strategies; a research statement discussing your research interests and potential for including undergraduate students in your work; a diversity statement detailing your potential to contribute to DEI at Colorado College through your teaching, research, and/or service; graduate school transcripts, and three confidential letters of recommendation (request that writers submit separately). At least one letter should comment on teaching experience and potential. A Ph.D. in Computer Science or related field is required. Applicants should provide evidence of teaching effectiveness, if available. Applications from candidates who have reached ABD status will be considered.

The department plans to conduct initial interviews in December, and to invite several top candidates for interviews in January 2021. Review of applications will begin on November 2, 2020; to ensure consideration, your application should be completed by that date.

Apply online at *https://employment.coloradocollege.edu/postings/4496*

Colorado College is an equal opportunity employer committed to increasing the diversity of its community. We do not discriminate on the basis of race, color, national origin, gender, age, religion, gender identity or expression, disability, or sexual orientation in our educational programs and activities or our employment practices.

## Colorado School of Mines

*Department of Computer Science*
*Department Head and Professor*

The Department of Computer Science at Colorado School of Mines (CS@Mines) invites applications for a tenured, full professor to head the Department. Applicants must have a Ph.D. in Computer Science or a related field, and a proven track record in teaching, research, and service. Inspiring leadership qualities, enthusiasm, effective interpersonal communication, and organizational skills are a must. For more information (as well as details on the application process), see:

*https://jobs.mines.edu/cw/en-us/job/494583/department-head-and-professor-computer-science*

**About Mines:** Mines, Colorado's oldest public university, is located in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. Mines, which focuses on applied science and engineering disciplines, has 5,196 undergraduate and 1,569 graduate students. Mines has the highest admissions standards of any public university in Colorado and among the highest of any public university in the U.S.

**About CS@Mines:** The CS Department, which is ranked in the top 5% of all CS programs in the US (per U.S News & World Report), has 13 tenured/tenure track faculty, 4 teaching faculty, and 2 Professors of Practice, and offers B.S., M.S. and Ph.D. degrees in Computer Science. CS@Mines currently has approximately 800 undergraduate and 110 graduate students.

More information about the university and the CS Department, including active research areas, can be found at *https://www.mines.edu* and *https://cs.mines.edu*, respectively. For any questions, please contact *cs@mines.edu*.

## Colorado School of Mines

*Multiple Tenured/Tenure-Track Faculty Positions Available*

Colorado School of Mines (Mines) invites applications for multiple tenured/tenure-track faculty positions in three clusters: (1) Computational Science and Data Analytics, (2) Advanced Manufacturing and Materials, and (3) Quantum Information, Electronic Materials and Devices. These cluster hires are an integral part of Mines' strategic effort to grow in areas where we already have significant strengths or

where our strengths are emerging. Mines is a great place to engage in education and research in each of these areas as they relate to our Earth, Energy and Environment mission.

The new faculty hired could be hired into one of eight departments including the Department of Computer Science. Thus, qualified CS candidates with research specialization in one or more of the following areas are encouraged to apply: (1) Computational Science and Data Analytics: machine learning and data science. (2) Advanced Manufacturing and Materials: security, machine learning, computer vision, HCI, and robotics. (3) Quantum Information, Electronic Materials and Devices: quantum information, integrated electronics, and functional and quantum materials. Mines is especially interested in qualified candidates who can contribute, through their research, teaching, and service, to the diversity and excellence of the academic community. More information about the university and the CS Department, including active research areas, can be found at *https://www.mines.edu* and *https://cs.mines.edu*, respectively.

Mines, Colorado's oldest public university, is located in picturesque Golden, Colorado, in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. Mines has 5,196 undergraduate students and 1,569 graduate students in a broad range of applied science and engineering disciplines. The School's proximity to Denver and Boulder provides opportunities for significant collaboration with government labs and industry as well as other universities. Mines is consistently *ranked* among the top engineering colleges in the United States and ranks number one as the best public school in the state for best value colleges.

Apply here: *https://jobs.mines.edu/en-us/listing/*

## Colorado School of Mines

*Department of Computer Science*
*Teaching Faculty Positions Available*

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!

The Department of Computer Science at Colorado School of Mines (Mines) is looking to hire multiple Teaching Professors that have a clear passion for conveying knowledge to novice software professionals. We are looking for superb teachers who inspire students and will advance the University's commitment to diversity. Each successful candidate must be able to teach a variety of computer science core and elective courses, including, but not limited to, courses such as: Introduction to Computer Science, Data Structures, and Software Engineering. Candidates should also plan to support departmental recruiting efforts, coordinate multi-section courses (including supervision and training of teaching assistants), and participate in curriculum innovations and improvements. For more information (as well as details on the application process), see:

*https://jobs.mines.edu/en-us/job/494600/computer-science-teaching-professors*

**About Mines:** Colorado School of Mines, Colorado's oldest public university, is located in picturesque Golden, Colorado, in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. Mines has 5,196 undergraduate students and 1,569 graduate students in a broad range of applied science and engineering disciplines. Mines has the highest admissions standards of any public university in Colorado and among the highest of any public university in the U.S. Colorado School of Mines was ranked the No. 4 best engineering college in the United States by Money Magazine in 2020. Mines was recently dubbed the top public university in the nation for return on investment in Payscale.com's "Colleges Worth Your Investment" list.

**About CS@Mines:** The CS Department, which is ranked in the top 5% of all CS programs in the US (per U.S News & World Report), has 13 tenured/tenure track faculty, 4 teaching faculty, and 2 Professors of Practice, and offers B.S., M.S. and Ph.D. degrees in Computer Science. CS@Mines currently has approximately 800 undergraduate and 110 graduate students and is the fastest growing department on the Mines campus.

More information about the university and the CS Department, including active research areas, can be found at *https://www.mines.edu* and *https://cs.mines.edu*, respectively. For any questions, please contact *cs@mines.edu*.

Applications will be accepted until the positions are filled with priority given to those submitted by December 30.

## Colorado State University

*Instructor*

The department of Computer Science at Colorado State University seeks applicants from individuals who are interested in a full-time non-tenure track teaching position within the department, starting in August 2021. The department's enrollment, both on campus and online, has grown and the department needs additional teaching staff. A Master's of Science or Arts degree in Computer Science or a related field (e.g. Data Science, Science Education, or Philosophy) is required by the start of employment.

The department provides instruction for both undergraduate and graduate students. A detailed description of the department's courses and faculty is available at *https://compsci.colostate.edu*. Annual terms and reappointments may depend on performance and/or the continued availability of funding.

To view the full posting and apply, please visit: *http://jobs.colostate.edu/postings/79474*

CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

## Columbia University

*Assistant Professor – Tenure Track*

Columbia Engineering invites applications for a tenure-track faculty position in the Department of Computer Science at Columbia University in the City of New York at the Assistant Professor level, to begin September 1, 2021. Applications are sought in all areas of theoretical computer science. Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position at the Assistant Professor without tenure level must demonstrate the potential to do pioneering research and to teach effectively.

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 by contributing to the undergraduate and graduate educational mission of the Department. 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. In keeping with the goals of the Simons Junior Faculty Fellows Program, the Department especially welcomes applications from postdocs and new PhDs.

Applications should be submitted electronically: *http://pa334.peopleadmin.com/postings/6518* and include the following: a cover letter, current CV, teaching statement, brief summary of research, and at least three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on December 15th, 2020 and will continue until the position is filled.

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

## Concordia University

*Tenure track positions in Machine Learning and Advanced Networking*

**Position description**

The **Department of Computer Science and Software Engineering** invites applications for two tenure-track positions. The first position **(20_T_CSSE_M)** is in the area of machine learning, reinforcement learning, deep learning, natural language processing, and artificial intelligence and its applications. The second position **(20_T_CSSE_M2)** is in the area of Internet of Things, edge and cloud computing, fog computing, autonomous and self-driving networks, software-defined networks, data center networks, mobile computing, sensor networks, 5G networks, and data stream analytics. Outstanding candidates in related research areas will also be considered. The selected candidates will be appointed at the rank of Assistant Professor, but exceptional candidates at the Associate Professor level may also be considered.

Concordia University is strongly committed to building a diverse, equitable, and inclusive community, and recognizes the importance of inclusion in achieving excellence in teaching and research. Commensurate with their rank, candidates will be assessed on their demonstrated potential to attract diverse students and collaborators to Concordia University, conduct internationally recognized research, secure research funds, as well as teach and drive curricular development within their respective area.

### Qualifications and assets

Applicants must hold a PhD in Computer Science or a closely related field. Membership or eligibility for membership in a Canadian professional engineering association, preferably in Quebec, is required. The candidates will conduct independent scholarly research, attract strong external funding and demonstrate industrial application of their research activities. The successful candidates are expected to demonstrate a strong commitment to the supervision of MASc and PhD students, and to excellence in teaching at both the graduate and undergraduate levels. The language of instruction at Concordia is English, however, knowledge of French is an asset.

### Information about the Department

The Department of Computer Science and Software Engineering has over 50 faculty members, working in varied fields in computer science and software engineering, and has seen a major expansion in recent years. The Department is steadily moving up the rankings in recent years, with the Software Engineering research group being rated among the highest in North America. The Department is dedicated to multidisciplinary research and to educating students at the undergraduate and graduate levels in Computer Science and in Software Engineering. Concordia University is located in the heart of downtown Montreal, a multicultural city with a lively intellectual and cultural life. Montreal has emerged as a global hub in artificial intelligence and is synergistically benefitting from a number of university researchers and research institutes collaborating with established companies as well as start-ups on the next breakthrough discoveries. It is also home to many leading high-tech companies in areas such as telecommunications, computer games, aerospace, and biotechnology. More information about the Department is available at: *www.concordia.ca/cse*. Please also see *www.concordia.ca/ginacody/computer-science-software-eng/about/jobs.html#ft* for the complete job advertisement.

### How to apply

Applications should be addressed to: Lata Narayanan, Professor and Chair (email: *hiring@cse.concordia.ca*) and must include a cover letter clearly identifying the title and position code (**20_T_CSSE_M or 20_T_CSSE_M2),** a detailed curriculum vitae, teaching and research statements, and the names and contact information of four referees. Electronic applications should be submitted by **January 5, 2021** but will continue to be reviewed until the position is filled. Only short-listed candidates will be notified. The appointment is expected to commence in **July 2021 or shortly thereafter**.

Concordia strives to be an inclusive institution that is welcoming of diverse backgrounds and experiences in order to improve learning, advance research, inspire creativity, and drive productivity. We define diversity broadly to include both ethnic and socio-cultural background and diversity of perspectives, ideologies and traditions.

As part of this commitment to providing our students with the dynamic, innovative, and inclusive educational environment of a Next-Generation University, we require all applicants to articulate in their cover letter how their background, as well as lived and professional experiences and expertise have prepared them to conduct innovative research and to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society.

These ongoing or anticipated examples can include but are not limited to:

- teaching about underrepresented populations
- mentoring students from underrepresented backgrounds
- conducting research with underrepresented and/or underserved communities
- committee work

- offering or organizing educational programming
- participation in training and workshops

Concordia University recognizes the potential impact that career interruptions can have on a candidate's record of research and will take them into careful consideration in assessing applications and throughout the selection process.

All applicants will receive an email invitation to complete a short equity survey. Participation in the survey is voluntary and no identifying information about candidates will be shared with hiring committees. Candidates who wish to self-identify as a member of an underrepresented group to the hiring committee may do so in their cover letter or by writing directly to the contact person indicated in this posting.

### Adaptive measures

Applicants who anticipate requiring adaptive measures throughout any stage of the recruitment process may contact, in confidence, Nadia Hardy, Interim Deputy Provost and Vice-Provost, Faculty Development and Inclusion at *vpfdi@concordia.ca* or by phone at 514-848-2424, extension 4323.

### Territorial Acknowledgement

*Concordia University is located on unceded Indigenous lands. The Kanien'kehá:ka Nation is recognized as the custodians of the lands and waters on which we gather today. Tiohtiá:ke/Montreal is historically known as a gathering place for many First Nations. Today, it is home to a diverse population of Indigenous and other peoples. We respect the continued connections with the past, present and future in our ongoing relationships with Indigenous and other peoples within the Montreal community.*

### Employment Equity

*Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.*

### Immigration status

*All qualified candidates are encouraged to apply; however, Canadian and Permanent Residents will be given priority. To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. While applicants need not identify their country of origin or current citizenship, all applications must include one of the following statements:*

*Yes, I am a citizen or permanent resident of Canada*
*or*
*No, I am not a citizen or permanent resident of Canada.*

## Concordia University

*Gina Cody Research Chair in Computer Science*

The Department of Computer Science and Software Engineering seeks an outstanding candidate for the Gina Cody Research Chair in Computer Science. The successful candidate will be appointed into a full-time tenure-track position at the rank of Assistant, Associate or Full Professor. The ideal candidate is an internationally recognized researcher with an exceptional scholarly record, and has proven leadership qualities. The candidate is expected to demonstrate a commitment to the supervision of Masters and PhD students and attract strong external funding. We seek individuals with interests including, but not limited to: fundamental research in machine learning including deep learning and reinforcement learning; natural language processing; computer vision; robotics; medical imaging; computer graphics; computer games; theoretical computer science and algorithms; databases and big data analytics; high performance computing. The five year research chair is renewable and comes with an attractive research funding package.

Concordia University is strongly committed to building a diverse, equitable, and inclusive community, and recognizes the importance of inclusion in achieving excellence in teaching and research. Commensurate with their rank, candidates will be assessed on their demonstrated potential to attract diverse students and

collaborators to Concordia University, conduct internationally recognized research, secure research funds, as well as teach and drive curricular development within their respective area.

### Qualifications and assets

Applicants must hold a PhD in Computer Science or a closely related field. Membership or eligibility for membership in a Canadian professional engineering association, preferably in Quebec, is required. The candidates will conduct independent scholarly research, attract strong external funding and demonstrate industrial application of their research activities. The successful candidates are expected to demonstrate a strong commitment to the supervision of MASc and PhD students, and to excellence in teaching at both the graduate and undergraduate levels. The language of instruction at Concordia is English, however, knowledge of French is an asset.

### Information about the Department

The Department of Computer Science and Software Engineering has over 50 faculty members, working in varied fields in computer science and software engineering, and has seen a major expansion in recent years. The Department is steadily moving up the rankings in recent years, with the Software Engineering research group being rated among the highest in North America. The Department is dedicated to multidisciplinary research and to educating students at the undergraduate and graduate levels in Computer Science and in Software Engineering. Concordia University is located in the heart of downtown Montreal, a multicultural city with a lively intellectual and cultural life. Montreal has emerged as a global hub in artificial intelligence and is synergistically benefitting from a number of university researchers and research institutes collaborating with established companies as well as start-ups on the next breakthrough discoveries. It is also home to many leading high-tech companies in areas such as telecommunications, computer games, aerospace, and biotechnology. More information about the Department is available at: *www.concordia.ca/cse*. Please also see *www.concordia.ca/ginacody/computer-science-software-eng/about/jobs.html#ft* for the complete job advertisement.

### How to apply

Applications should be addressed to: Lata Narayanan, Professor and Chair (email: *hiring@cse.concordia.ca*) and must include a cover letter clearly identifying the title and position code (18_C_CSSE_M), a detailed curriculum vitae, teaching and research statements, and the names and contact information of four referees. Electronic applications should be submitted by **February 1, 2021** but will continue to be reviewed until the position is filled. Only short-listed candidates will be notified. The appointment is expected to commence in **July 2021 or shortly thereafter**.

Concordia strives to be an inclusive institution that is welcoming of diverse backgrounds and experiences in order to improve learning, advance research, inspire creativity, and drive productivity. We define diversity broadly to include both ethnic and socio-cultural background and diversity of perspectives, ideologies and traditions.

As part of this commitment to providing our students with the dynamic, innovative, and inclusive educational environment of a Next-Generation University, we require all applicants to articulate in their cover letter how their background, as well as lived and professional experiences and expertise have prepared them to conduct innovative research and to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society.

These ongoing or anticipated examples can include but are not limited to:

- teaching about underrepresented populations
- mentoring students from underrepresented backgrounds
- conducting research with underrepresented and/or underserved communities
- committee work
- offering or organizing educational programming
- participation in training and workshops

Concordia University recognizes the potential impact that career interruptions can have on a candidate's record of research and will take them into careful consideration in assessing applications and throughout the selection process.

All applicants will receive an email invitation to complete a short equity survey. Participation in the survey is voluntary and no identifying information about candidates will be shared with hiring committees. Candidates who wish to self-identify as a member of an underrepresented group to the hiring committee may do so in their cover letter or by writing directly to the contact person indicated in this posting.

**Adaptive measures**

Applicants who anticipate requiring adaptive measures throughout any stage of the recruitment process may contact, in confidence, Nadia Hardy, Interim Deputy Provost and Vice-Provost, Faculty Development and Inclusion at *vpfdi@concordia.ca* or by phone at 514-848-2424, extension 4323.

**Territorial Acknowledgement**

*Concordia University is located on unceded Indigenous lands. The Kanien'kehá:ka Nation is recognized as the custodians of the lands and waters on which we gather today. Tiohtiá:ke/Montreal is historically known as a gathering place for many First Nations. Today, it is home to a diverse population of Indigenous and other peoples. We respect the continued connections with the past, present and future in our ongoing relationships with Indigenous and other peoples within the Montreal community.*

**Employment Equity**

*Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.*

**Immigration status**

*All qualified candidates are encouraged to apply; however, Canadian and Permanent Residents will be given priority. To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. While applicants need not identify their country of origin or current citizenship, all applications must include one of the following statements:*

*Yes, I am a citizen or permanent resident of Canada*
*or*
*No, I am not a citizen or permanent resident of Canada.*

## Drake University

***Assistant Professor of Computer Science***

The Department of Mathematics and Computer Science seeks an outstanding teacher and promising scholar for a tenure track position in Computer Science at the rank of Assistant Professor beginning Fall 2021. A Ph.D. completed by August 2021 in Computer Science or a related area is required. Applicants from all areas of computer science or data analytics are welcome to apply. The course load is 3-3. Salary is competitive with peer schools.

Applicants should submit electronically: a letter of application, curriculum vitae, description of teaching experience, teaching philosophy, research agenda, diversity statement, and contact information for three references, at least two of whom can address teaching, through Hire Touch: ***https://drake.HireTouch.com/***. Questions may be directed to the search chair, Chris Porter, at ***christopher.porter@drake.edu***.

Review of applicants will begin January 15, 2021 and will continue until the position is filled.

## Drake University

***Assistant Professor or Professor of Practice***

The 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 August 2021. Candidates will be expected to assist in the development 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.

Drake University is an Equal Opportunity Employer (EEO) dedicated to building a culturally diverse and pluralistic community committed to teaching and working in a multicultural environment and strongly encourages applications from all qualified applicants. Candidates must demonstrate ability to provide support and work with individuals and groups from diverse socioeconomic, cultural, sexual orientation, disability and/or ethnic backgrounds.

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

Review of applicants will begin immediately and continue until filled.

## 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, Privacy/Security, and Software Engineering**. We welcome applicants with an interest in using these areas of expertise to solve socially relevant problems. 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 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, and has introduced new programs in Data Science and in AI and Machine Learning. Over the past year, CCI has 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 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, a 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. Applicants should apply by February 1, 2021, for full consideration. Please apply online at *https://careers.drexel.edu/cw/en-us/job/495299* for Computer Science or *https://careers.drexel.edu/cw/en-us/job/495300* 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.

Applicants should submit the following materials: a cover letter, CV/resume, list of references, and statements describing their research program and teaching interests. Applications must be submitted online at Drexel Careers to be considered.

The College of Computing & Informatics is especially interested in qualified candidates who can contribute to the diversity and excellence of the academic community. Drexel University is an Equal

Opportunity/Affirmative Action employer, welcomes individuals from diverse backgrounds and perspectives, and believes that an inclusive and respectful environment enriches the University community and the educational and employment experience of its members. The University prohibits discrimination against individuals on the basis of race, color, national origin, religion, sex, sexual orientation, disability, age, status as a veteran or special disabled veteran, gender identity or expression, genetic information, pregnancy, childbirth or related medical conditions and any other prohibited characteristic.

Background investigations are required for all new hires as a condition of employment, after the job offer is made. Employment may not begin until the University accepts the results of the background investigation.

For more information about Drexel University, please visit *www.drexel.edu*.

## Duke University

*Open Rank Tenure-Track Faculty Positions - Machine Learning, Data Science, Biostatistics*

The Duke University Department of Biostatistics and Bioinformatics invites applications for multiple tenure-track faculty positions in all aspects of machine learning, data science, and biostatistics at all levels. Successful candidates will have a strong interest in motivating their theoretical and/or algorithmic research into deep learning, causal discovery, causal inference, or other areas by real needs in health, broadly-defined. Example application areas include learning from electronic health records or other observational clinical data; biomedical informatics methods for evaluating and improving equity of healthcare or impact of socioeconomic factors on health; and deep learning or probabilistic graphical model learning algorithms for analysis of data from wearable sensors or other mobile health applications or medical image processing. These examples are not meant to imply a limit on our scope of interest but to illustrate its breadth.

Applicants should hold a Ph.D. in Computer Science, Computer Engineering, Statistics, Biomedical Informatics, Bioinformatics, Biostatistics, or a related field by the date of the start of their appointment. Joint appointments with other departments are possible for appropriate candidates. Particular attractions of this position include the exceptional data and translational opportunities of Duke Health and the School of Medicine, Duke's campus-wide emphasis on artificial intelligence for health as exemplified by the new AI Health Initiative, and the opportunity for a flexible teaching load in order to optimize research productivity and impact.

The Department of Biostatistics and Bioinformatics has Masters and PhD programs, and our algorithmic-oriented faculty also supervise PhD students in other leading programs on campus. Duke has an exceptional history in healthcare innovation, and Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation.

Application review will begin January 1, 2021 and continue until all positions are filled. Applicants are invited to submit application materials via Academic Jobs Online at *https://academicjobsonline.org/ajo/jobs/17690*. Please upload a CV, research statement, and teaching statement, and request at least three references to upload letters of recommendation.

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

## Duke University

*Open Rank Faculty Position*

The Duke University Department of Biostatistics and Bioinformatics invites applications for multiple non tenure-track faculty positions in all aspects of biostatistics and biomedical informatics at all levels. Of special interest are machine learning from electronic health records and/or socioeconomic determinants of health; methods for improving health equity; causal inference or methods for real world evidence; evaluation of predictive models; and innovative clinical trials design. Exceptional opportunities exist for joint

appointments in prestigious clinical research centers including the Duke Clinical Research Institute, the Marcus Center for Cellular Cures, the Duke Center for the Study of Aging and Human Development, and the Duke Center for Human Systems Immunology. Applicants should hold a Ph.D. in Biostatistics, Statistics, Computer Science, Computer Engineering, Biomedical Informatics, Bioinformatics, or a related field by the date of the start of their appointment.

The Department of Biostatistics and Bioinformatics has Masters and PhD programs. Duke has an exceptional history in healthcare innovation, and Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation.

Application review will begin January 1, 2021 and continue until all positions are filled. Applicants are invited to submit application materials via Academic Jobs Online at *https://academicjobsonline.org/ajo/jobs/17689*. Please upload a CV, research statement, and teaching statement, and request at least three references to upload letters of recommendation.

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

## Eastern Michigan University

*Assistant Professor of Computer Science*

Eastern Michigan University's Department of Computer Science seeks applicants for tenure-track assistant professor positions to begin Fall 2021. The successful applicant must have the ability to teach a variety of Computer Science courses at the undergraduate and graduate levels. We are particularly interested in candidates specializing in IoT, robotics/hardware/embedded systems, machine learning, cyber security, software engineering, and computer game systems, but all areas will be considered.

Candidates should have completed a PhD in Computer Science or a related field by the time of their appointment. A strong aptitude and desire for teaching and a plan to conduct scholarly research is required.

All applications must be made online at *http://agency.governmentjobs.com/emichedu/default.cfm*. Application materials must include a letter of application, curriculum vitae (including a list of publications, if any), graduate school unofficial transcript, research statement, statement of teaching philosophy, and the names, addresses, phone numbers and email addresses of three references familiar with your qualifications.

EMU is an equal opportunity/affirmative action employer.

Possible deadlines: evaluation of applications starts January 11, 2021, but later applications may be considered.

## Florida International University

*Open-Rank Tenure Track/Tenured Positions 522500*

Florida International University is Miami's public research university, focused on student success. According to U.S. News and World Report, FIU has 42 top-50 rankings in the nation among public universities. FIU is a top U.S. research university (R1), with more than $200 million in annual expenditures. FIU ranks 15th in the nation among public universities for patent production, which drives innovation, and is one of the institutions that helps make Florida the top state for higher education. The Next Horizon fundraising campaign is furthering FIU's commitment to providing students Worlds Ahead opportunities. Today, FIU has two campuses and multiple centers, and 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, with more than 400 student-athletes participating in 18 sports. The university has awarded more than 330,000 degrees to many leaders in South Florida and beyond. For more information about FIU, visit *www.fiu.edu*.

### Open-Rank Tenure Track/Tenured Positions 522500

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 2,900 students, including 83 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, Data Science, and Information Technology as well as B.S./B.A. degrees in Computer Science, and BS in Cybersecurity and in Information Technology. NSF HERD report ranks FIU #42 in computer science research expenditures, top 30 in public research universities. 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 encourages applications from exceptionally qualified faculty at all levels in all research areas. Candidates with expertise in any area of Computer Science will receive full consideration, including areas that are interdisciplinary. 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 teaching excellence at both the graduate and undergraduate levels. Applications are also encouraged from candidates with highly transformative research programs that extend the frontiers of computing across disciplines. A Ph.D. in Computer Science or related disciplines is required.

SCIS 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.

**HOW TO APPLY:**

Qualified candidates for Open-Rank Tenure-Track/Tenured faculty positions are encouraged to apply to 522500. Visit *https://facultycareers.fiu.edu/* and attach cover letter, curriculum vitae, statement of teaching philosophy, research statement, etc. as individual attachments. Candidates are required to provide names and contact information for at least three references who will be contacted as determined by the search committee.

To receive full consideration, applications and required materials should be received by December 28, 2020. Review will continue until 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 International University

*Non-Tenure Track Assistant Teaching Professor Positions 522542*

Florida International University is Miami's public research university, focused on student success. According to U.S. News and World Report, FIU has 42 top-50 rankings in the nation among public universities. FIU is a top U.S. research university (R1), with more than $200 million in annual expenditures. FIU ranks 15th in the nation among public universities for patent production, which drives innovation, and is one of the institutions that helps make Florida the top state for higher education. The Next Horizon fundraising campaign is furthering FIU's commitment to providing students Worlds Ahead opportunities. Today, FIU has two campuses and multiple centers, and 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, with more than 400 student-athletes participating in 18 sports. The university has awarded more than 330,000 degrees to many leaders in South Florida and beyond. For more information about FIU, visit *www.fiu.edu*.

**Non-Tenure Track Assistant Teaching Professor Positions 522542**

The School of Computing and Information Sciences seeks exceptionally qualified candidates for multiple non-tenure track faculty positions at the level of Assistant Teaching Professor. Ideal candidates must

be committed to excellence in teaching a variety of courses at the undergraduate level. Candidates who employ innovative, evidence-based teaching pedagogies are particularly encouraged to apply. A P.h.D in Computer Science or related disciplines is required; significant prior teaching and industry experience in Computer Science is preferred.

Qualified candidates are encouraged to apply to Job Opening ID 522542 at *facultycareers.fiu.edu* and attach cover letter, curriculum vitae, statement of teaching philosophy, research statement, etc. as individual attachments. Candidates will be requested to provide names and contact information for at least three references who will be contacted upon as determined by the search committee.

Review will continue until position is filled. All applications received by January 4, 2021 are guaranteed consideration.

SCIS 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.

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.

## George Mason University

*Multiple Tenure-Track and Tenured Faculty Positions*

The George Mason University Department of Computer Science, within the Volgenau School of Engineering, invites applications for multiple tenure-track or tenured faculty positions beginning Fall 2021. Senior candidates with established records of outstanding research and excellent teaching will be eligible for tenured Associate Professor or Professor positions. 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:**

Successful candidates will be expected to teach at the undergraduate and graduate levels; develop an independent, externally funded research program; advise students; participate in all aspects of the department's mission; and serve the profession.

**Required Qualifications:**

Applicants must have received a PhD in computer science or a related field by the start date of the position, and should have demonstrated potential for excellence and productivity in research, and a commitment to high-quality teaching.

**Preferred Qualifications:**

The department is recruiting for all ranks and in all areas

**About the Department:**

The Department of Computer Science has 46 tenured and tenure-track faculty and 15 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 nearly 2,000 today. The department has over 130 PhD students and more than 350 graduate students enrolled in four MS programs. The Department has $14.5 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 Web site: *http://cs.gmu.edu/*.

**Mason Engineering: The Future of Engineering is Here**

The Volgenau School of Engineering at George Mason University is a fast-growing force for innovation in research and education. The school boasts more than 8,170 students in 37 undergraduate, master's, and doctoral degree programs, including several first-in-the-nation offerings. Of the 260 full-time faculty who comprise the School, 94 are tenured, 54 are tenure-track, 73 are instructional faculty, and 39 are research faculty. As part of a nationally ranked research university, its research teams earned more than $90 million in sponsored research awards in the last 12 months.

Located in the heart of Northern Virginia's technology corridor, Mason Engineering stands out for its focus on emerging areas including big data, cybersecurity, healthcare technology, robotics and autonomous systems, signals and communications, and sustainable infrastructure.

George Mason University is the largest public research university in Virginia, 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. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education. Mason is located in the city of Fairfax in Northern Virginia at the doorstep of the Washington, D.C., metropolitan area, with unmatched geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with industry. Fairfax is consistently rated as being among the best places to live in the country, and has an outstanding local public school system.

In conjunction with Amazon's decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest in the growth of degree programs in computing, and George Mason University has committed to accelerate its plans to grow its capacity in computing and high-tech fields. Among the exciting initiatives being undertaken by the university are the launch of the Institute for Digital InnovAtion (IDIA), a university think tank and incubator to serve the digital economy, and the expansion of its Arlington Campus with a planned 400,000 square foot Digital InnovAtion Building. These initiatives reflect hundreds of millions of dollars in new investment by Mason that will rapidly elevate Mason's already leading national position in computing and related areas.

**For full consideration:**

For full consideration, applicants must apply for position number F7891Z; 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, a statement on what diversity and inclusion means to you (to attach as 'Other Doc'), and a list of three professional reference with contact information. The review of applications will begin December 1, 2020 and continue until the position is filled.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, disability, or protected veteran status.


## Assistant Professor of Computer Science

Georgia Southern University's Department of Computer Science invites applications for Assistant Professor 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/2038235**.

Screening of applications begins December 1, 2020 and continues until the position is filled.

Georgia is an open records state. Georgia Southern University provides equal employment opportunities to all employees and applicants for employment without regard to race, color, sex, sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability.

Individuals who need reasonable accommodations under the Americans with Disabilities Act to participate in the search process should notify Human Resources at 912-478-6947.

# Professional Opportunities

## Harvard University

*Research Scientist*

The American Dream – the aspiration that all children should have opportunities to climb the economic ladder – is at risk. In the 1950s, more than 90% of American children grew up to earn more than their parents did. Today, only 50% of children do so.

The mission of Opportunity Insights (OI) is to restore the American dream. We seek to develop scalable policy solutions that will empower families to rise out of poverty and achieve better life outcomes. We do this by harnessing the power of big data through high quality research to learn from areas where the American Dream is still thriving. We study economic mobility through lenses such as education, neighborhood environments, and health to understand the drivers of economic opportunity in the country and give local policy-makers customized data and insights to help them craft effective policy solutions. More recently, we have turned our efforts to tracking in real-time the unequal impact of COVID-19 across the economy.

The project's work to date has shaped policy discussions at the national and local level, with nearly a dozen of its studies covered on the front pages of major media outlets, such as the New York Times and Wall Street Journal and cited in congressional testimony and the President's State of the Union addresses. This work has led to direct impacts on a broad range of decisions by local policy makers, ranging from school districts to housing authorities.

Our team, led by Raj Chetty, John Friedman, and Nathan Hendren, consists of leaders from academia, policy, and management, supported by a staff who share a passion to revive the American Dream.

We are now seeking a Research Scientist who will work with the senior leadership team of OI and to conduct rigorous, high-quality public policy research on the condition and drivers of economic mobility in the US. As a member of the OI team, the Research Scientist will help us set the standard for high quality empirical analyses using large-administrative data sets to help develop research we hope ultimately improves economic mobility.

- Conducts in-depth high quality research under the direction of Professors Chetty, Friedman, and Hendren, leveraging large-scale administrative datasets.
- Develops research methods to answer academic questions of interest
- Develops paper and slide material for disseminating research results to stakeholders.
- Develops and implements efficient coding and data handling processes
- Meets with and briefs relevant external contacts on research
- Collaborates with OI policy outreach efforts to help develop boutique analyses that are useful to support translation of research into accurate understandings in policy circles.
- Authors or co-authors policy reports, blogs, op-eds, and other commentary

Applicants should send a letter of interest, their CV, and up to three research papers through the Harvard application portal. Up to three recommendation letters should be sent directly by references in the same manner.

Interested parties can apply here: *https://academicpositions.harvard.edu/postings/9898*

Applications accepted through March 15, 2021.

## Haverford College

*Visiting Assistant Professor of Computer Science - 2021-2022*

The Department of Computer Science of Haverford College welcomes applications for a full-time Visiting Assistant Professor for the 2021-2022 academic year.

For more information and a full description, please go to *http://apply.interfolio.com/81757*

## 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 our **Idaho Falls campus**.

For complete job description, requirements, and application instructions visit *jobs.isu.edu*.

For priority consideration, apply by November 22, 2020.

## Illinois Institute of Technology

*Tenure Track/Tenure and Part time Adjunct*

The Department of Computer Science at Illinois Institute of Technology invites applications for faculty positions: Multiple tenure-track/tenured faculty positions at all ranks to start in Fall 2021 and multiple part-time adjunct faculty in diverse areas of the field, to start in Spring 2021.

Applicants for tenure-track/tenured positions must have a Ph.D. in computer science or a closely related field, demonstrated excellence in research, a record of attracting external research funding appropriate to their rank, and a strong commitment to teaching. We seek outstanding candidates in all areas of computer science; candidates in machine learning, fairness and ethics in AI, cybersecurity, trustworthy computation, and data science are especially encouraged to apply.

Applicants for part-time adjunct faculty positions must have an MS or PhD degree in Computer Science or a closely related field; candidates in all areas of the field will be considered. Commitment to excellence in teaching at both undergraduate and graduate levels is expected. The ability and willingness to develop and offer courses in cutting-edge areas of computer science, particularly artificial intelligence, cybersecurity, and machine learning, is a plus, as is industry experience in software and technology development. Areas needed include, but are not limited to, artificial intelligence, cybersecurity, data science, machine learning, object-oriented programming, and software engineering.

The Department of Computer Science at the Illinois Institute of Technology offers bachelor's, master's, and Ph.D. degrees in Computer Science, as well as bachelor's and master's degrees in Artificial Intelligence, a master's degree in Cybersecurity, and interdisciplinary master's degrees in Data Science and in Computational Decision Science and Operations Research. The department is in a significant growth phase, with multiple faculty hires per year expected for at least the next few years. It is also launching diverse new interdisciplinary research and education programs, and has strong growing partnerships with Chicago's burgeoning tech community.

Illinois Institute of Technology, a private, technology-focused research university, is located just 10 minutes from downtown Chicago. The university has recently completed a successful capital campaign that led to the creation of multiple endowed positions, increased scholarship funding, and the new Ed Kaplan Family Institute for Innovation and Tech Entrepreneurship. In addition to its rigorous research and education programs, Illinois Tech has a long history of strong partnerships and collaborations with local companies, government labs, and nonprofits. The University Technology Park on campus is home to many startups who benefit from close collaboration with faculty and students.

Illinois Institute of Technology is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer committed to enhancing equity, inclusion and diversity within its community. It actively seeks applications from all individuals regardless of race, color, sex, marital status, religion, creed, national origin, disability, age, military or veteran status, sexual orientation, and/or gender identity and expression. All qualified applicants will receive equal consideration for employment.

Review of applications for tenure-track/tenured position will begin November 15, 2020, and continue until all available positions are filled.

Applicants should apply online at *https://academicjobsonline.org/ajo/jobs/17357*.

## Iowa State University

*Tenure Track Faculty Position*

The Department of Computer Science in the College of Liberal Arts and Sciences at Iowa State University seeks outstanding applicants for a tenure-track faculty position at the rank of Assistant Professor to start in the 2021-2022 academic year. We are looking for candidates in all areas of Computer Science who complement and expand our current research strengths, including but not limited to, broad areas of computer networks, computer security, embedded, real-time and autonomous systems, high-performance computing, mobile computing, and operating systems. 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 expand our research profile in new research areas. We are seeking candidates who share in our mission of achieving excellence through diversity and inclusion. In the department of computer science, and at the University as a whole, we translate the values of diversity and inclusion into action by seeking a diverse faculty and by seeking individuals who have experience working with diverse students, colleagues, staff, and constituents. A candidate should hold or expect to receive a Ph.D. or equivalent degree in computer science or a closely related field by the date of the employment.

To see required and preferred qualifications and to apply see *https://www.cs.iastate.edu/open-position*.

The Computer Science department resides in the College of Liberal Arts and Sciences offering B.S., M.S., and Ph.D. degrees in Computer Science. The department is proud to be 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. The department participates in many interdisciplinary research collaborations, including partnerships with faculty in bio-sciences, mathematical sciences, and engineering. The Computer Science department has 38 faculty professionals, 684 B.S. students, 47 M.S. students, and 118 Ph.D. students. Many of the department's 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.

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 guaranteed consideration, please apply before the application deadline of January 10th, 2020.***

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515 294-7612, email *eooffice@iastate.edu*.

## Johns Hopkins University

*Lecturer/Sr. Lecturer in Computer Science*

The Department of Computer Science at Johns Hopkins University seeks applicants for a full-time teaching position. This is a career-oriented, renewable appointment that is responsible for the development and delivery of undergraduate and graduate courses, depending on the candidate's background. These positions carry a 3-course load per semester, usually with only 2 different preps. Teaching faculty are also encouraged to engage in departmental and university service and may have advising responsibilities. Extensive grading support is given to all instructors. The university has instituted a non-tenure track career path for full-time teaching faculty culminating in the rank of Teaching Professor. Johns Hopkins is a private university known for its commitment to academic excellence and research. The Computer Science department is one of nine academic departments in the Whiting School of Engineering, on the beautiful Homewood Campus. We are located in Baltimore, MD in close proximity to Washington, DC, and Philadelphia, PA. See the department webpage at *https://cs.jhu.edu* for additional information about the department, including undergraduate and graduate programs and current course descriptions. Applicants for the position should have a Ph.D. in Computer Science or a closely related field. Demonstrated excellence in and commitment to teaching, and

excellent communication skills are expected of all applicants.

Applications may be submitted online at *http://apply.interfolio.com/78726*. Questions may be directed to *lecsearch2020@cs.jhu.edu*.

For full consideration, applications should be submitted by December 1, 2020. Applications will be accepted until the position is filled.

The Department is conducting a broad and inclusive search and is committed to identifying candidates who through their teaching and service will contribute to the diversity and excellence of the academic community. The Johns Hopkins University is committed to active recruitment of a diverse faculty and student body. The University 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. Consistent with the University's goals of achieving excellence in all areas, we will assess the comprehensive qualifications of each applicant.

## Johns Hopkins University

*Tenure-Track Faculty, Department of Computer Science*

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 is particularly interested in applicants in the areas of computational biology, bioinformatics, human-computer interaction, and machine learning. The search will focus on candidates applying at the Assistant Professor level, however all qualified applicants will be considered.

The Department of Computer Science has 31 full-time tenured and tenure-track faculty members, 8 research and 6 teaching faculty members, 225 PhD students, over 200 MSE/MSSI students, and over 600 undergraduate students. There are several affiliated research centers and institutes including the Center for Computational Biology (CCB), the Laboratory for Computational Sensing and Robotics (LCSR), the Center for Language and Speech Processing (CLSP), the JHU Information Security Institute (JHU ISI), 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/78946*. While candidates who complete their applications by December 15, 2020 will receive full consideration, the department will consider applications submitted after that date. Questions may be directed to *fsearch2020@cs.jhu.edu*.

The department is conducting a broad and inclusive search and is committed to identifying candidates who through their research, teaching and service will contribute to the diversity and excellence of the academic community. More information on diversity and inclusion in the department is available at *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 characteristic. 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.

## Kennesaw State University

*Assistant Professor of Gaming*

*Department of Software Engineering and Game Development*

Kennesaw State University is now accepting applications for a nine-month, tenure track Assistant Professor of Gaming faculty position in the Department of Software Engineering and Game Development.

The position involves teaching, advising and maintaining an active research

agenda. Primary teaching will include teaching Game Design and Development courses as well as other courses in computing as needed. We are 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. We currently have 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 be committed to excellence in teaching, research, and service.

An earned Ph.D. or terminal degree, or its foreign equivalent, in a computing, software engineering, or computer game design discipline or closely related field is required. ABD will be considered; however, terminal degree must be earned by August 1, 2021 as a condition of employment.

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://hr.kennesaw.edu/careers.php.*

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.

## Kennesaw State University

*Assistant Professor*

Kennesaw State University is now accepting applications for nine-month, tenure track Assistant Professor of Computer Science faculty positions in the Department of Computer Science beginning August 2021.

The department seeks candidates who strive for excellence in teaching and professional and scholarly achievements in the area of expertise. The successful candidate is expected to teach a broad range of courses in computer science at both graduate and undergraduate levels, as well as develop new courses in areas of expertise. They are also expected to plan and conduct research and develop an extramurally funded research program involving undergraduate and graduate students. Service to the department is required. We are especially interested in candidates with research and/or teaching background in, but not limited to, cyber and network security, data science and analytics, information retrieval, natural language processing, and graph algorithms. Strong candidates in other related research fields will also be considered. Candidates should be committed to excellence in teaching, research, and service.

Candidates must have an earned Ph.D. in computer science, a related field, or its foreign equivalent. ABD will be considered; however, terminal degree must be earned by August 1, 2021, as a condition of employment.

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://hr.kennesaw.edu/careers.php.*

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## Lake Superior State University

*Visiting Assistant/Associate Professor Computer Science*

The Computer Science program at Lake Superior State University seeks qualified candidates for a one-year, full-time Visiting Assistant/Associate Professor position. This position is a one-year sabbatical replacement. The successful candidate will teach a minimum of 24 credit hours of load for the year with preference given to candidates that can teach in the introductory programming sequence (Python and C++) and in one or more of following areas: algorithms; security; networking; or data analytics.

**Please visit our website at *https://jobs.lssu.edu* to apply**

## Louisiana State University

*Assistant Professor of Computer Science (Tenure-Track)*

The **Division of Computer Science and Engineering** within the School of Electrical Engineering and Computer Science at Louisiana State University invites applications for a tenure-track assistant professor position beginning August 2021. Our focus areas for hiring are human-computer interaction (HCI), computer graphics, augmented and virtual reality, and computer vision. 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.

**Applications will be reviewed beginning on December 14, 2020, and the review will continue until the position is filled.**

Inquiries should be directed to Search Committee via email at *csesearch@lsu.edu*.

View full position description and apply via our *Career Site*.

## Loyola University Chicago

*Department of Computer Science*

*Tenure-Track Assistant Professor in Artificial Intelligence/Machine Learning*

**Website:** *www.cs.luc.edu*

We invite applications for a full-time, tenure-track position at rank Assistant Professor for academic year 2021-2022. We especially welcome candidates who can further the university's efforts to foster diversity, equity, and inclusion. The department comprises fifteen full-time faculty and maintains an active research program with recent funding from NSF, NIH, and other sources.

Candidates must possess, or be close to completing, a PhD in computer science or a closely related discipline, and must have strong records in both research and teaching at the undergraduate and/or graduate levels. We encourage candidates in all areas of computer science to apply, and especially welcome candidates with a strong background in artificial intelligence/machine learning, along with an interest in interdisciplinary societal issues, such as justice, accountability, ethics, and safety in machine learning applications in healthcare, medicine, business, sociology, criminal justice, and other areas.

Applicants should follow the instructions available at *www.careers.luc.edu/postings/14552*.

Review of applications will begin January 2nd, 2021, and continue until the position is filled. LUC is an Equal Opportunity/Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty.

## Loyola University Chicago

*Department of Computer Science*

*Tenure-Track Assistant Professor in Software Engineering/Systems*

**Website:** *www.cs.luc.edu*

We invite applications for a full-time, tenure-track position at rank Assistant Professor for academic year 2021-2022. We especially welcome candidates who can further the university's efforts to foster diversity, equity, and inclusion. The department comprises fifteen full-time faculty and maintains an active research program with recent funding from NSF, NIH, and other sources.

Candidates must possess, or be close to completing, a PhD in computer science, computer engineering, or a related discipline, and must have strong records in both research and teaching at the undergraduate and/or graduate levels. We encourage candidates in all areas of computer science/engineering to apply, and especially welcome candidates with a strong background in software engineering and/or systems, including all relevant technical areas: mobile software development and frameworks, software security, software architecture frameworks, design, modeling, or software analysis and testing, including for adaptive/autonomous systems, databases, cloud computing, and computer networks. Industry experience in these areas is an additional plus.

Applicants should follow the instructions available at *www.careers.luc.edu/postings/14551*.

Review of applications will begin January 2nd, 2021, and continue until the position is filled. LUC is an Equal Opportunity/Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty.

## Massachusetts Institute of Technology (MIT)

*Faculty Positions*

*Cambridge, MA*

The Massachusetts Institute of Technology (MIT) Department of Mechanical Engineering together with the Schwarzman College of Computing (SCC) seeks candidates for tenure-track faculty positions in Computing for Health of the Planet to start July 1, 2021 or on a mutually agreed date thereafter. The search is for candidates to be hired at the assistant professor level; under special circumstances, however, an untenured associate or senior faculty appointment is possible, commensurate with experience.

The Health of the Planet is one of the most important challenges facing humankind today. The need for a sustainable planet demands integrated research efforts that develop novel fundamental modeling, computation, machine learning and AI methods with technological innovation. Ocean systems are particularly important and in need of both fundamental research and development of breakthrough solutions. A creative mens et manus approach is essential to ensure the health and security of our oceans and environment.

We seek candidates who have expertise in computing and data-driven science and engineering, and can apply it to:

- Develop integrated systems using smart sensors and physics-informed machine learning.
- Explore, utilize, and protect our environment and oceans.
- Conduct fundamental and applied research in sensing, acoustics, communications, signal processing, control, autonomy, sea-level and climate change mitigation, environmental hazards, environmental risk assessment, among others.
- Use data for estimation, prediction or control relevant to sustainable mobility, autonomous vehicles, sea transports, and ocean environments and coastal structures.
- Provide usable water, resilient food, and sustainable energy (e.g., desalination, water management, sustainable aquaculture, food security, wind and ocean renewable energy, low emission propulsion) using data-driven models and AI-embedded engineering.

Candidates should contribute to interdisciplinary research in environmental and ocean science and engineering such as marine robotics, sensing, structures, physics, acoustics, ecosystems, food, desalination, and renewable energy with fundamental expertise in one or more of these areas: learning for dynamics, nonlinear dynamical systems, computational modeling, physics-informed machine learning, high dimensional statistics, science of autonomy, intelligent

systems, smart sensing, computing devices, decision theory, risk analysis, and data-driven science and engineering.

The Department of Mechanical Engineering and the Schwarzman College of Computing are committed to fostering interdisciplinary research that can address grand challenges facing our society. We seek candidates who will provide inspiration and leadership in research, contribute proactively to both undergraduate and graduate level teaching in the Mechanical Engineering department and SCC and add to the diversity of the academic community. The successful candidate would have a shared appointment in both the Department of Mechanical Engineering and also the Schwarzman College of Computing, in either the Department of Electrical Engineering and Computer Science (EECS), or in the Institute for Data, Systems, and Society (IDSS).

Faculty duties include teaching at the undergraduate and graduate levels, advising students, conducting original scholarly research and developing course materials at the undergraduate and graduate levels. Prior to the start of the appointment, candidates must hold a Ph.D. in a field related to Engineering, Physics, Data Science, Computer Science, or Applied Mathematics or a similar discipline by the beginning of employment.

In addition to this search, the Mechanical Engineering department has positions available broadly in mechanical engineering: *http://meche.mit.edu/faculty-positions*.

Applications must include a cover letter, curriculum vitae, 2–3 page statement of research and teaching interests and goals. In addition, candidates should provide a statement regarding their views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas. They should also provide copies of no more than three publications. They should also arrange for four individuals to submit letters of recommendation on their behalf. This information must be entered electronically at the following site: *https://school-of-engineering-faculty-search.mit.edu/meche-scc* by December 1, 2020 when review of applications will begin.

MIT is an equal-opportunity/affirmative action employer. Women and underrepresented minorities are especially encouraged to apply.

## Massachusetts Institute of Technology

*Tenure-track Assistant Professor Level Faculty Member*

The Massachusetts Institute of Technology (MIT) Sloan School of Management and MIT Schwarzman College of Computing in Cambridge MA, invite applications for a tenure-track faculty member to start July 1, 2021 or on a mutually agreed date thereafter. The search is for a candidate to be hired at the assistant professor level or higher commensurate with experience. The MIT Sloan School of Management and Schwarzman College of Computing offer supportive mentorship to new faculty, an exceptional environment for scientific inquiry, and a strong commitment to an inclusive, welcoming culture. Applications from under-represented minorities will be given our highest consideration.

We encourage applications from candidates whose research focuses on the broader consequences of the changing digital and information environment, market design, digital commerce and competition, as well as economic and social networks. Applicants should demonstrate the potential for research and teaching excellence building on growing the intellectual connections between computer science, data science, social science, and humanities, in order to bring a better conceptual framework for understanding social and economic implications, ethical dimensions, and regulation of these technologies. We are particularly interested in candidates from diverse fields who can build a strong methodological research base and contribute impactful insights on the interplay between computing systems and our understanding of individuals and societal institutions.

Faculty duties will include teaching undergraduate and graduate level courses and conducting research. Applicants should possess a PhD in Computer Science, Data Science, Operations Management, Economics, Marketing or other related field by the beginning of employment. The successful applicant will have a shared appointment in both the Sloan School of Management and the Schwarzman College of Computing,

in either the Department of Electrical Engineering and Computer Science (EECS), or in the Institute for Data, Systems, and Society (IDSS).

Applications must include a cover letter, an up-to-date curriculum vita, three letters of recommendation, a personal statement describing research experience and aspirations, and a personal statement describing teaching aspirations and experience. Research papers should be included if available. In addition, candidates should provide a statement regarding their views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas.

***Please submit all material via the link below by December 1, 2020.***

*https://apply.interfolio.com/79900*

MIT is an equal opportunity employer committed to building a culturally diverse intellectual community, and strongly encourages applications from women and underrepresented minorities.

## Miami University

***Assistant/Associate Professor in Computer Science, Software Engineering***

Computer Science & Software Engineering: Assistant/Associate Professor (one or more tenure-track positions) to teach undergraduate and graduate students; establish and maintain a strong research program; advise students and supervise student research; provide service to the institution.

Required: Earned doctorate in computer science, software engineering, computer engineering, or a related field. Ability to teach courses in computer science and/or software engineering. To be appointed to the rank of Associate Professor requires an established record of high-quality teaching and scholarship/research with a strong prospect for continuation.

Desired: Consideration may be given to candidates specializing in areas of strength within the department including: computer and network security, parallel & distributed computing, computer graphics/vision, and software engineering, and those with experience teaching in higher education.

Submit a cover letter, curriculum vitae, a statement of research plans, and a statement of teaching philosophy to *https://jobs.miamioh.edu/cw/en-us/job/497011/assistantassociate-professor*. Evidence of research quality should be included as well as a list of any courses taught and evidence of teaching quality. Department will request letters of recommendation from references listed in application. Inquiries may be addressed to Dr. DJ Rao at *cse.search@miamioh.edu*.

Screening of applications will begin November 13, 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.

# Professional Opportunities

## Microsoft Research

*Postdoctoral Researcher*

The Algorithms group at Microsoft Research Redmond seeks exceptional researchers who are passionate about advancing the state of the art in theoretical computer science and having impact on the industry. Applicants must have a demonstrated ability for independent research and a strong academic publication record in theoretical computer science.

**For fullest consideration please apply by January 15, 2021 at** *https://www.microsoft.com/en-us/research/group/algorithms-redmond/*

## Microsoft Research

*Researcher*

The Algorithms group at Microsoft Research Redmond seeks exceptional researchers who are passionate about advancing the state of the art in theoretical computer science and having impact on the industry. Applicants must have a demonstrated ability for independent research and a strong academic publication record in theoretical computer science.

**For fullest consideration please apply by January 31, 2021 at** *https://www.microsoft.com/en-us/research/group/algorithms-redmond/*

## Missouri State University

Assistant Professor, Computer Science

The Computer Science Department at Missouri State University invites applications for a tenure-track Assistant Professor position starting Fall 2021. A PhD in CS or closely related field is required by the date of appointment. Applicants are invited from all research areas of Computer Science, but candidates with interest in teaching algorithms, principles of programming languages, operating systems, and compilers courses are highly encouraged to apply.

To learn more, visit *https://jobs.missouristate.edu/postings/51545*.

Employment will require a criminal background check at University expense.

EO/AA/M/F/Veterans/Disability/Sexual Orientation/Gender Identity.

## NEC Laboratories America, Inc

*Researcher – Machine Learning*

The Machine Learning Department of **NEC Laboratories America, Inc.**, in Princeton, NJ, has openings for researchers with a passion for developing the next generation of machine intelligence. Expertise in machine learning with a proven track record of original research as well as a keen sense for developing practical applications are prerequisites for this position.

Our Machine Learning group has been at the forefront of research in such areas as deep learning, support vector machines, and semantic analysis for almost two decades. Many technologies developed in our group have been released as innovative products and services of NEC, such as systems for recruiting, surveillance, inspection of manufactured goods, and digital pathology. In addition to contributing to NEC's business, our research is published in premier venues. Among the challenges we are tackling now are how to move machine learning to more abstract reasoning and how this can enable new applications in smart manufacturing, safe cities, and personalized heath care. *http://www.nec-labs.com/research-departments/machine-learning/machine-learning-home*

*Requirements:*

- PhD in computer science, statistics, or equivalent.
- Research experience in machine learning with strong publication record.
- Strong algorithm and numeric computation background.
- Programming experience in Python, Lua, C++, or other languages.
- Experience with deep learning libraries and platforms a plus, e.g. PyTorch, TensorFlow, or Caffe.

For more information about NEC Labs access *http://www.nec-labs.com* and submit your CV and research statement through our career center at *https://www.appone.com/MainInfoReq.asp?R_ID=3206183*

Equal Opportunity Employer

## New Jersey Institute of Technology

*Tenure-Track Positions*

*Open Search for Information Science / Information Technology for Fall 2021*

The Informatics Department seeks outstanding candidates with (or near completion of) a PhD in a computing or computing-related discipline for several tenure-track positions. The areas of interest include, but are not restricted to:

- Human-computer interaction
- Data science and data mining
- Cybersecurity
- Networking
- Social media and network analytics
- Visual computing and graphics
- Creative computing
- Cloud administration

Outstanding candidates in other information science, information technology, and data science areas will also be considered.

**Work Environment and Advantages**

Incoming tenure-track faculty begin with a teaching load of only 1/1, supporting a highly productive research agenda.

NJIT offers competitive salaries: top 1% in faculty pay among 1,292 public universities. With a location less than 25 minutes from Manhattan, NJIT is situated squarely within the greater New York infotech corridor. NJIT has many ongoing projects and collaborations with Google, Facebook, IBM, Verizon, Audible, Panasonic, and many tech start-ups. NJIT has recently expanded its graduate programs to Jersey City, with waterfront, skyscraper facilities overlooking Lower Manhattan.

The Informatics Department is part of the Ying Wu College of Computing (YWCC), the largest college of computing in the tri-state region of New York, New Jersey, and Pennsylvania and one of the largest in the USA. About 25% of all high-tech employees in New Jersey have trained at YWCC. YWCC carries out innovative projects funded by NSF, NIH, DARPA, and partner companies such as Oculus, Verizon, and others.

Apply for a tenure-track position at NJIT easily online at *http://jobs.njit.edu*

Informatics Job link: *https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=2525*

For additional information and inquiries:

Contact *informatics@njit.edu* or

Call Professor Mike Halper at (973) 596-5764.

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and does not discriminate on the basis of race, color, national origin, age, marital status, gender, disability, religion or veteran status.

## New Jersey Institute of Technology

*Lecturer opening at NJIT (applied cybersecurity)*

The Computer Science Department at NJIT seeks to fill a Lecturer position starting Fall 2021. Successful candidates must have at least an MS in Computer Science or a related computing area and have an expert grasp of knowledge of Cybersecurity at all levels, either through a demonstrated record of teaching excellence, or through industrial experience. Candidates are expected to teach courses under the umbrella of Cybersecurity in support of our graduate and undergraduate programs. The successful candidate will also be involved in creating course materials with a focus on hands-on experiential and project-based learning.

**Interested applicants should submit their CV and at least two references by applying as soon as possible at:**

*https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=2600*

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT's continuing status as a premier institution of higher education and a leading polytechnic university.

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and does not discriminate on the basis of race, color, national origin, age, marital status, gender, disability, religion or veteran status.

## 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 2021. Areas of special interest are:

- Cybersecurity
- 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 2021 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 designated a Carnegie R1 Research University, with $161M research expenditures in FY19. The Computer Science Department is ranked 77 nationally (by CSRankings) and has 33 tenured/tenure track faculty, with seven NSF CAREER awards and one DARPA Young Investigator award. 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 30% of the NJIT enrollment, educating more than 3,000 students in computing disciplines, and graduating close to 900 computing professionals every year. As such, it is the largest generator of computing talent in the tri-state (NY, NJ, CT) area.

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 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.

Applications must be submitted online:

*https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=2541*

Submit your application, and upload your cover letter, CV, Research Statement, and Teaching Statement. The CV must include the names of at least three references along with their contact information.

Applications received by December 31, 2020 will receive full consideration. However, applications are welcome until the position is filled. Applications will be evaluated as they are received.

Contact address for inquiries: *cs-faculty-search@njit.edu*.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT's continuing status as a premier institution of higher education and a leading polytechnic university.

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and does not discriminate on the basis of race, color, national origin, age, marital status, gender, disability, religion or veteran status.

## New Mexico State University

*Assistant Professor*

The Computer Science Department at New Mexico State University invites applications for a tenure-track position at the Assistant Professor level, with appointment starting in the Fall 2021 semester. We are seeking strong candidates with research expertise

that can effectively complement the research foci of the department. An earned PhD degree in Computer Science or a closely related field is required at the time of appointment. Candidates with expertise focus in cybersecurity, networking, internet of things, software security, computer security, and artificial intelligence 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 under-represented 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.

Please view the posting at: *https://jobs.nmsu.edu/postings/39963*

## New York University

*Clinical Faculty in Computer Science Fall 2021*

The Computer Science Department of the Courant Institute of Mathematical Sciences, New York University, invites applications for a full-time Clinical Faculty position. The position is full-time non-tenured and non-tenure-track, and is typically a 3 year contract that is potentially renewable. The appointment will begin in September 2021.

The successful applicant will teach three courses during each of the fall and spring semesters in the department's undergraduate and/or graduate program and will be expected to also participate in curricular development, program administration, and other educational activities.

Qualifications:

For Undergraduate level teaching: MS in Computer Science or a related field.

For Graduate level teaching: PhD in Computer Science or a related field.

Applicants must submit the following:

- A cover letter indicating how the position relates to your overall career plans
- A complete curriculum vitae
- Three confidential letters of recommendation are required. Please follow the prompts in the application. Once you submit your application, an automated email with a link will be generated to your recommenders asking them to upload their confidential letters of recommendation.

Please submit your application via Interfolio using this link: *https://apply.interfolio.com/80799*

For full consideration, applications are due by March 15, 2021.

EOE/AA/Minorities/Females/Veterans/Disabled/Sexual Orientation/Gender Identity

## New York University

*Tenure-Track Position In Computer Science*

The Computer Science department expects to have a tenure-track faculty position and invites candidates to apply. We are looking for candidates in AI (machine learning, natural language processing, computer vision, and other subareas), theory, verification, and programming languages.

Faculty members are expected to be outstanding scholars and to participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages.

The department has 42 regular faculty members as well as clinical, research, adjunct, and visiting faculty members. The department's current research activities span algorithms, cryptography and theory, computational biology, distributed computing and networking, graphics, vision and multimedia, machine learning and data science, natural language processing, scientific computing, verification and programming languages.

Collaborative research with industry is facilitated by geographic proximity to computer science activities at AT&T, Facebook, Google, IBM, Bell Labs, NEC, and Siemens.

Please apply through Interfolio via this link. (*http://apply.interfolio.com/80034*)

For full consideration we recommend that applicants apply by December 1, 2020 , though we will continue to review applications past that date as needed.

EOE/AA/Minorities/Females/Veterans/Disabled/Sexual Orientation/Gender Identity

## North Carolina State University

*Faculty Position In Quantum Computing*

*Departments of Computer Science and Electrical & Computer Engineering*

The Departments of Computer Science and Electrical & Computer Engineering are seeking to fill a joint tenure-track faculty position in quantum computing beginning in August 2021. The position is made possible through an NSF Quantum Computing & Information Science Faculty Fellow Grant. It is anticipated that hiring will be at the Assistant or Associate Professor rank.

Candidates in all areas of quantum computing will be considered, with particular emphasis on topics synergistic with the IBM Q Hub at NC State, *http://quantum.ncsu.edu*, and on candidates whose interests contribute to a rapidly-growing multi-disciplinary quantum community across the NC State campus. Presently, the IBM Q Hub provides access to multiple IBM quantum processors ranging from 1 to 65 qubits, including pulse-level control of qubit operations. Experience or interest in other quantum computing technologies would also be welcome.

Inclusiveness and diversity are integral to NC State's commitment to excellence in research, engagement, and education. We are particularly interested in candidates who have demonstrated experience engaging with diversity through activities such as fostering an inclusive environment, working with students from diverse backgrounds, or incorporating diverse perspectives in research. Candidates must possess a Ph.D. or equivalent in computer science, electrical or computer engineering, or a related discipline at the time of appointment, and must have demonstrated the potential to build a strong research program and an excellent teaching record.

The Department of Computer Science, 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.) The ECE Department is one of the top 10 suppliers of ECE talent at the BS level in the US, and also ranks in the top 10 public ECE Departments in total annual research expenditures (ASEE). The CSC and ECE departments have distinguished faculties, including a number of AAAI Fellows, ACM Fellows, and IEEE Fellows. The departments are located in close proximity in state-of-the-art facilities on NC State's Centennial Campus.

NC State University is located in the technology-rich Research Triangle metropolitan area, and faculty members collaborate routinely with local industry. The Research Triangle area is frequently recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, and great weather, all in the proximity of the mountains and the seashore.

Applications will be reviewed as they are received. Applicants will receive consideration starting on November 1, 2020. Applicants should submit the following online at *http://jobs.ncsu.edu* (reference position number 00000597): 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 departments and their research programs, as well as more detail about the position advertised, at *http://www.csc.ncsu.edu* and *http://www.ece.ncsu.edu*. Inquiries may be sent via email to the Faculty Search Committee Chair, at *qcfacultyhire@ncsu.edu*.

AA/EOE. NC State is an equal opportunity and affirmative action employer. Women and members of other underrepresented groups are encouraged to apply. In addition, NC State welcomes all persons without regard to sexual orientation or genetic information. We welcome the opportunity to work with candidates to identify suitable employment opportunities for spouses or partners. Persons with disabilities requiring accommodations in the application and interview process please call (919) 515-3148.

## North Carolina State University

*Department of Computer Science*

*Theoretical Computer Science*

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position in theoretical computer science (TCS) with an expected start date of August 16, 2021. Candidates with additional expertise in

algorithms, graph theory, computational geometry, experimental algorithmics, topological data analysis, or in the theoretical aspects of quantum computing, cryptography, machine learning, or complex systems, are of particular (but not exclusive) interest. While the department expects to hire at the Assistant Professor level, candidates with exceptional research records may be considered for Associate or Full Professor positions.

A successful candidate must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field.

The Department, part of NC State's College of Engineering, is one of the largest and oldest in the country. The department's research expenditures and recognition have been growing steadily. For example, we have one of the largest concentrations in the country of prestigious NSF Early Career Award winners (30 of our current or former faculty have received one). Further, we are widely recognized as a highly diverse department, having the most female tenure-track faculty of any computer science department in the country.

NC State is located in Raleigh, the capital of North Carolina, which forms one vertex of the world-famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science.

The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, farmer's markets and festivals, and great weather - all in proximity to the mountains and the seashore.

Applications will be reviewed as they are received, with a review deadline of December 1, 2020, and continued on-going review past that date. The position will remain open until a suitable candidate has been identified. Applicants should submit the following materials online at *http://jobs.ncsu.edu (reference position number - 00001096)* 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: *csc-tcs-search@lists.ncsu.edu*

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.

Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If their highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified at *www.wes.org.* Degree must be obtained prior to 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.

## Northeastern Illinois University

*Tenure-Track Faculty Position*

*Department Of Computer Science*

The Computer Science Department of Northeastern Illinois University in Chicago invites individuals to apply for a tenure-track, assistant professor, starting August 2021. A Ph.D. in Computer Science or closely related field is required. We will consider applicants from all areas of computer science, especially: Software Engineering and Cyber Security.

Review of applications will begin on January 20, 2021 and will continue until the position is filled.

AA/EOE.

See *https://www.neiu.edu/tenure-track-assistant-professor-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

## Tenure-Track - Automation and Artificial Intelligence in Urban Infrastructure System

### Department of Civil and Environmental Engineering: Automation and Artificial Intelligence in Urban Infrastructure Systems 2020-2021

As part of a strategic initiative in the areas of automation, robotics, and artificial intelligence in the context of Civil Infrastructure Security and Sustainable Engineering, Northeastern University seeks faculty candidates for tenured or tenure-track appointments at the assistant, associate, or full professor level with a cross-college joint appointment in the Department of Civil and Environmental Engineering and the Khoury College of Computer Sciences across the broad area of Automation and Artificial Intelligence in Urban Infrastructure Systems. The university is in the midst of a significant, multi-year expansion in size and scope, including faculty, facilities, and programs within several disciplines and across disciplinary boundaries.

Candidates should have the background to contribute to the advancement of knowledge through the use of humanics-centric innovative approaches based on recent developments in automation, artificial intelligence (AI), machine learning, data science, intelligent control, planning, sensors and related areas within the broad domain of applications related to Civil and Environmental Engineering. These developments are drivers of change and will dramatically impact the planning, design, operations, and control of Urban Infrastructure Systems. Candidates are especially sought with expertise in the following areas:

**Urban Mobility:** Urban transportation of people and goods is undergoing a significant transformation with the introduction of connected vehicles, intelligent infrastructure, new types of services (bike sharing, ride hailing, etc.) and concepts such as mobility on demand and mobility as a service. Coupled with technological advances related to electric, connected, and autonomous vehicles, these developments promise to change the nature of urban mobility, while addressing the significant challenges of safety, sustainability, resilience, and equity. Examples of specific areas of interest include, but are not limited to: mobility as a service, mobility on demand, electric vehicles, connected and autonomous vehicles, urban logistics.

**Interconnected Infrastructure:** Advances in automation technologies fueled by developments in AI, robotics, and sensors provide opportunities to drastically impact the design, control, maintenance, and construction of Civil and Environmental infrastructure. Examples of specific areas of interest include, but are not limited to: sensor data informed modeling, simulation and automated control of infrastructure systems against extreme events, cyber-physical-social infrastructure systems, and AI-based process automation.

**Construction Automation and Advanced Materials:** This area highlights the convergence of advanced manufacturing processes, informatics and automation in construction

management and/or materials for the built environment. Areas of interest include AI for construction engineering (e.g., topology optimization, computer vision); robotic and automated construction in the field and pre-fabricated manufacturing; interactions of automation and humans; AI-driven materials development and selection, AI- and robotics-enabled future workforce for the architectural, engineering, and construction industry; or other domains that will drive innovations in materials and construction to overcome grand challenges surrounding the built environment.

The hiring efforts at Northeastern University seek to foster education and research across disciplinary boundaries. The successful candidates are expected to demonstrate a proven ability to sustain a research program with emphasis on interdisciplinary and translational research, teach both undergraduate and graduate classes, and be active, recognized leaders in their disciplines.

Candidates should be committed to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to a Northeastern University education.

Northeastern University is located in the heart of Boston and benefits from the intellectual and cultural vitality of an urban environment. Northeastern is a top-tier research university and premier experiential education institution, and is a National Science Foundation ADVANCE Institutional Transformation site. A university-wide vision for use-inspired transformative research that crosses traditional disciplinary boundaries has resulted in strong cross-departmental ties among the faculty, including joint and affiliate appointments across departments and colleges. The Civil and Environmental Engineering department houses major research centers, including the NIH-sponsored program Puerto Rico Testsite for Exploring Contamination Threats (PROTECT), the NIH-sponsored Center for Research on Early Childhood Exposure and Development in Puerto Rico (CRECE), the NIH-sponsored program on Environmental Influences on Child Health Outcomes (ECHO), as well as the NIST-funded center on Versatile Onboard Traffic Embedded Roaming Sensors (VOTERS). Faculty enjoy collaboration with other research centers and clusters across the College of Engineering, Khoury College of Computer Sciences, College of Science, Bouve College of Health Sciences, College of Arts, Media and Design, D'More-McKim School of Business, and the College of Social Science and Humanities, including the NSF-funded Center for High-Rate Nanomanufacturing (CHN), the DHS-funded Homeland Security Center of Excellence on Awareness and Localization of Explosive-Related Threats (ALERT), the Institute for Experiential Robotics, the Network Science Institute (NSI), the Roux Institute, the Marine Science Center (MSC), the Coastal Sustainability Institute (CSI), the Global Resilience Institute (GRI), the George J. Kostas Research Institute for Homeland Security, the Sherman Center for Engineering Entrepreneurship Education, and entrepreneurship programs in the D'Amore-McKim School of Business.

For further information see: https://cee.northeastern.edu/faculty/faculty-hiring/

**Qualifications:** A Doctorate degree in civil engineering or a related field is required by the appointment start date as well as excellence in research, teaching, and service. Senior- level candidates should have a demonstrated record of developing transformative solutions to global challenges, sustaining a research program with an emphasis on interdisciplinary and translational research, teaching both undergraduate and graduate classes, and being an active, recognized leader nationally and internationally in the discipline.

**About Northeastern University:** 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.

***Equal Employment Opportunity:*** *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.

**How to Apply:** Visit the College website **https://apptrkr.com/2053408** and click on Faculty Positions. Applications should be submitted under the position entitled Automation and Artificial Intelligence in Civil and Environmental Engineering Systems and should include (1) cover letter, (2) detailed resume, (3) research development statement, (4) teaching statement, (5) diversity, equity, and inclusion statement, (6) copy of one sample journal paper, and (7) list of four references with contact information. Screening of applications begins December 1, 2020 and continues until the position is filled. Questions regarding this position should be directed to Taryn Sullivan at mailto:cee-auto-AI-search@coe.neu.edu.

To apply, visit **https://apptrkr.com/2053408**


## Assistant/Associate/Full Professor
## Electrical and Computer Engineering - Robotics

**About Northeastern:** Founded in 1898, Northeastern is a global research university and the recognized leader in experience-driven lifelong learning. Our world-renowned experiential approach empowers our students, faculty, alumni, and partners to create impact far beyond the confines of discipline, degree, and campus.

Our locations–in Boston; Charlotte, North Carolina; London; Portland, Maine; San Francisco; Seattle; Silicon Valley; Toronto; Vancouver; and the Massachusetts communities of Burlington and Nahant–are nodes in our growing global university system. Through this network, we expand opportunities for flexible, student-centered learning and collaborative, solutions-focused research.

Northeastern's comprehensive array of undergraduate and graduate programs– in a variety of on-campus and online formats–lead to degrees through the doctorate in nine colleges and schools. Among these, we offer more than 195 multi-discipline majors and degrees designed to prepare students for purposeful lives and careers.

**About the Opportunity:**
Assistant/Associate/Full Professor - Electrical and Computer Engineering - Robotics

**Responsibilities:** The Department of Electrical and Computer Engineering at Northeastern University invites applications for multiple open positions at all levels. We seek exceptional candidates with research interests and accomplishments in Internet of Things and Networking, Emerging Multiferroic and Quantum Devices, all areas of Electrical and Computer Engineering.

**Qualifications:** A Ph.D. in Electrical and Computer Engineering, Computer Science or a closely related field to one of the above listed expertise areas by the start date is required. Successful candidates will be expected to develop strong independent research programs and to excel in teaching in both our undergraduate and graduate programs

**Preferred Qualifications:** Outstanding candidates at all levels will be considered. Candidates should be committed to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to Northeastern University education.

**Additional Information:**
Northeastern's ECE department has 63 Tenured/Tenure Track faculty members, with established areas of excellence in high performance computing, robotics, IoT technologies, materials and devices, power systems, cybersecurity (NU is an NSA Center of Excellence in both education and research), and communications/ networking/ signal processing. For more information about the faculty openings please contact chair of the hiring committee at mailto:ecehiringchair@ece.neu.edu

Northeastern University is ideally located in the heart of Boston and is in close proximity to a number of major academic institutions and innovative technology companies and installations. Northeastern's departments and research centers maintain strong collaborative interactions with many of these institutions, and the University is also home to a number of NSF-, DHS-, NIST and NIH-supported core research centers. At the core of the Northeastern engineering education experience is our top ranked cooperative education program.

Applications should include a complete curriculum vita, a statement of current and future research interests, a statement of teaching interests, a statement of diversity, equity and inclusion, and contact information for at least four references. Applications must be completed through the online submission portal at https://apptrkr.com/2059039. Review of applications will begin immediately and will proceed until the positions are filled. Northeastern ECE embraces diversity and seeks candidates who can contribute to a welcoming climate for students and faculty of all races and genders.

Northeastern University seeks to meet the needs of dual career couples and is a member of the New England Higher Education Recruitment Consortium to assist with dual career searches.

*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/2059039**


## Assistant/Associate/Full Professor
## Electrical and Computer Engineering

**About Northeastern:** Founded in 1898, Northeastern is a global research university and the recognized leader in experience-driven lifelong learning. Our world-renowned experiential approach empowers our students, faculty, alumni, and partners to create impact far beyond the confines of discipline, degree, and campus.

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Northeastern's comprehensive array of undergraduate and graduate programs– in a variety of on-campus and online formats–lead to degrees through the doctorate in nine colleges and schools. Among these, we offer more than 195 multi-discipline majors and degrees designed to prepare students for purposeful lives and careers.

**About the Opportunity:**
Assistant/Associate/Full Professor - Electrical and Computer Engineering

**Responsibilities:** The Department of Electrical and Computer Engineering at Northeastern University invites applications for faculty position in Robotics. The position is expected to an interdisciplinary hire between Electrical and Computer Engineering and one of the other colleges within Northeastern University. We are especially seeking exceptional candidates with research interests and accomplishments in all areas of Robotics.

**Qualifications:** A Ph.D. in Electrical and Computer Engineering, Computer Science or a closely related field to one of the above listed expertise areas by the start date is required. Successful candidates will be expected to develop strong independent research programs and to excel in teaching in both our undergraduate and graduate programs

**Preferred Qualifications:** Outstanding candidates at all levels will be considered. Candidates should be committed to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to Northeastern University education.

**Additional Information:**
Northeastern's ECE department has 63 Tenured/Tenure Track faculty members, with established areas of excellence in high performance computing, robotics, IoT technologies, materials and devices, power systems, cybersecurity (NU is an NSA Center of Excellence in both education and research), and communications/ networking/ signal processing. For more information about the faculty openings please contact chair of the hiring committee at mailto:ecehiringchair@ece.neu.edu

Northeastern University is ideally located in the heart of Boston and is in close proximity to a number of major academic institutions and innovative technology companies and installations. Northeastern's departments and research centers maintain strong collaborative interactions with many of these institutions, and the University is also home to a number of NSF-, DHS-, NIST and NIH-supported core research centers. At the core of the Northeastern engineering education experience is our top ranked cooperative education program.

Applications should include a complete curriculum vita, a statement of current and future research interests, a statement of teaching interests, a statement of diversity, equity and inclusion, and contact information for at least four references. Applications must be completed through the online submission portal at https://apptrkr.com/2058364. Review of applications will begin immediately and will proceed until the positions are filled. Northeastern ECE embraces diversity and seeks candidates who can contribute to a welcoming climate for students and faculty of all races and genders.

Northeastern University seeks to meet the needs of dual career couples and is a member of the New England Higher Education Recruitment Consortium to assist with dual career searches.

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*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/2058364**

## Northeastern University

*Open Rank - Assistant/Associate/Full Professor of Ethics and Computer Science*

### Position Summary

The Department of Philosophy and Religion and the Khoury College of Computer Sciences at Northeastern University seek to fill an open rank tenure line position in the area of ethics and computer science. The successful candidate will have a strong scholarly record or research program with high relevance to ethics and justice issues raised by robotics, big data, machine learning or other aspects of artificial intelligence. The person filling this position will have training/expertise in both ethics and computer science, and they will contribute to interdisciplinary research and curriculum projects. Applicants should be fluent with the practical aspects of technologies that underlie modern, data-driven systems, such as machine learning and information retrieval. This includes how societal objectives like fairness can be encoded into sociotechnical systems, and the shortcomings of these approaches. They also should be fluent in the philosophical aspects of ethical theory, analysis and methods. This is a joint position between the Department of Philosophy and Religion and the Khoury College of Computer Sciences, with the tenure home to be determined in consultation with the person filling the position.

Candidates should have demonstrated commitment to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to a Northeastern University education.

### Qualifications

A Ph.D. in Philosophy or Computer Science or a related field is required by the appointment start date.

### Additional Information

Applications should include a cover letter that addresses the applicant's interest in and qualifications for the position, curriculum vitae, evidence of teaching effectiveness (including sample syllabus for a course related to ethics and computer science), writing sample, and contact information for at least three letters of recommendation. Questions should be addressed to Prof. Ronald Sandler, Search Committee Chair, *r.sandler@northestern.edu*.

To apply, please go to *http://www.northeastern.edu/cssh/faculty-positions* and click on the link for full-time positions or full-time interdisciplinary positions or if viewing this description on the Northeastern University website, click "Apply to this job." Review of applications will begin immediately and continue until the position is filled. Applications received by November 30th will be assured full consideration.

The College of Social Sciences and Humanities is a leader in the Experiential Liberal Arts. Founded in 1898, Northeastern University is a dynamic and highly selective urban research university in the center of Boston. Grounded in its signature co-op program, Northeastern provides unprecedented global experiential learning opportunities. The College is strongly committed to fostering excellence through diversity and enthusiastically welcomes nominations and applications from members of groups underrepresented in academia.

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

*Department of Mathematics Tenured/Tenure-Track Positions, Open Level*

The Department of Mathematics, in the College of Science, and the Khoury College of Computer Sciences, at Northeastern University invite applications for an open tenure-track/tenured faculty position at all levels in the area of Mathematics and Machine Learning, beginning in Fall 2021.

Appointments will be based on research contributions at the interface between

Mathematics and Computer Science, combined with a strong commitment and demonstrated success in teaching. The appointment will be joint between the Department of Mathematics in the College of Science and the Khoury College of Computer Sciences.

Candidates will be considered from all areas in Data Science, Machine Learning, Topology, Discrete and Computational Mathematics, and Robotics.

In the Northeastern University College of Science, we embrace a culture of respect, where each person is valued for their contribution and is treated fairly. We oppose all forms of racism. We support

a culture that does not tolerate any form of discrimination and where each person may belong. As a College, we strive to have a diverse membership, one where each person is trained and mentored to promote their success.

Responsibilities will include teaching undergraduate and graduate courses, mentoring student and conducting an independent research program.

A Ph.D. in Computer Science, Mathematics or a closely related field to one of the above-listed areas of expertise by the state date is required. Successful candidates are expected to have or to develop an independently funded research program of international caliber and teaching excellence in undergraduate and graduate courses. Qualified candidates should be committed to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to a Northeastern University education.

Review of applications will begin immediately. Complete applications received by December 31, 2020 will be guaranteed full consideration. Additional applications will be considered until the position is filled.

To apply, please submit the documentation requested on the *mathjobs.org web site.* Applicants invited to interviews will be asked to complete a Northeastern University application on the appropriate website.

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*

### Position Summary

The Khoury College of Computer Sciences invites applications for several tenure-track and tenured faculty positions, beginning in Fall 2021. Applicants at all ranks will be considered. Candidates will be considered from all areas in computer science.
The College is especially interested in applicants working on machine learning and artificial intelligence, natural language processing, human-computer interaction and health, ethics and technology, and game design. Candidates are expected to have or to develop an independently funded research program of international caliber and to participate in undergraduate and graduate teaching.

Responsibilities will include teaching undergraduate and graduate courses, mentoring students and conducting an independent research program

### Qualifications

A PhD in computer science or a related field is required by the appointment start date

### Additional Information

Khoury College has a diverse tenure/tenure-track faculty of 64, and it offers a broad array of research and educational opportunities to students. Since 2012, the college has hired 51 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; 16 of the

64 faculty have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, 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, the Cybersecurity and Privacy Institute, and the new Institute of Experiential Artificial Intelligence.

The college offers three undergraduate degrees (CS, Data Science and Cybersecurity); seven MS degrees (CS, Health Informatics, Data Science, Cybersecurity, Game Science and Design, Artificial Intelligence, and Robotics) and four 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. Khoury offers the MS in CS and the Align MS in CS at 5 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, 2020. 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://hr.northeastern.edu/careers/***

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***.

## Northwestern University

***Computer Science Faculty of Instruction and Lecturer Positions***

Northwestern University is pursuing an ambitious commitment to grow and transform Computer Science (CS). As part of transforming and scaling computer science education, we seek outstanding candidates for non-tenure track teaching faculty, 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.

As the demand for CS education has grown well beyond the boundaries of traditional CS majors, Northwestern CS has continued to invest in new courses, non-major pathways, and new joint degrees to broaden the reach and quality of computing education. The just-launched *MBAi joint program* with the Kellogg School of Management joins the MMM program, joint Ph.D. programs with the School of Communications and the School of Education and Social Policy in a growing portfolio of programs innovating at the intersections.

We are focused on adding excellent teaching faculty with a special focus on the following areas: Artificial Intelligence, Machine Learning, Data Science, Software Engineering and Human-Computer Interaction, though excellent candidates from all areas are encouraged to apply. 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.

To be eligible for the faculty of instruction positions, applicants should have earned a Ph.D. in Computer Science or a closely related field. For the lecturer position, a Masters in Computer Science and a strong, demonstrable track record of Computer Science teaching is required. Candidates will be considered at the Assistant, Associate, or Full 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 *facsearch@cs.northwestern.edu*. Review of materials will begin on **January 1, 2021.** Applications received after that date will be considered on a rolling basis.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

## 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 in August 2021. 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 time of appointment.

The position is for the main OSU campus in Stillwater; however, duties may be assigned on 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 283 undergraduate students and about 94 graduate students enrolled in the department.

This Teaching Assistant Professor position will be responsible for developing and teaching courses to support the new online Computer Science B.S. degree program. While this is primarily a teaching position, research will also be a part of the workload.

Teaching Assistant Professors are encouraged to explore research and

collaboration opportunities with other faculty, industry and research institutions.

To apply, please submit to Interfolio (*https://apply.interfolio.com/81846*) a cover letter; curriculum vita; separate research, teaching, and diversity statements; and contact information for three professional references. Application review will begin January 15, 2021, with employment starting August 2021 or as negotiated. For full consideration, applications should be received by January 15, 2021; however, applications will be considered until the position has been filled.

The filling of this position is contingent upon 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 underrepresented undergraduate students are 7% female, 6% African American, 4% Native American and 7% Hispanic.

Oklahoma State University, as an equal opportunity employer, complies with all applicable federal and state laws regarding non-discrimination 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*.


**Multiple Tenure Track Positions in Computer Science & Engineering**
**Penn State University, University Park Campus**

Applications are invited for multiple tenure-track positions at the Assistant, Associate and/or Full Professor levels across all areas of Computer Science and Engineering. The department aims to continue its rapid growth across areas.

We are particularly looking to fill multiple positions in:

- **Data Science:** All areas of machine learning, AI, and data science will be considered, including theory, NLP, computer vision, robotics, optimization, fairness, and applications to scientific data.
- **Computer Systems and Architecture:** Candidates working at all layers of the system stack will be considered. We offer unique collaboration opportunities with faculty spanning both computer science and computer engineering in one unified department.
- **Theoretical Computer Science:** All areas will be considered, including quantum computing, cryptography, algorithms and complexity.

Applicants should hold a Ph.D. in computer science, computer engineering, or a closely related field by the start date of the position. All applicants should be committed to excellence in both research and teaching. Those considered for the Associate and Full Professor level must demonstrate an established record in research. Our department, and the University as a whole, provides unusually rich collaboration opportunities due to a large, diverse range of colleges and departments, numerous venues for inter-departmental colloquia and the like, and excellent internal support for successful grantsmanship. We expect our hires to establish a strong research program, supervise graduate and undergraduate students, and teach relevant undergraduate and graduate courses. We strongly encourage applicants from underrepresented groups, and dual career couples. Applicants should submit a detailed curriculum vita listing all publications, research and teaching statements, and the names and email addresses of four references. Full consideration will be given to applications submitted by January 31, 2021 or until the position is filled. E-mail your questions regarding the application process to mailto:recruitingcse.psu.edu.

Penn State is a premier public research, land grant university. The Department of Computer Science and Engineering is part of the School of EECS in the College of Engineering. We are looking for candidates who will add to the department's diverse culture and research strengths. Penn State is committed to and accountable for advancing diversity, equity and inclusion in all of its forms. We value inclusion as a core strength and an essential element of our public service mission.

The University is located in State College, which is ranked one of the best college towns in the U.S. The area offers a wide variety of cultural and outdoor recreational activities, and outstanding University events, from collegiate sports to fine arts productions. The public school system is excellent, with a nationally ranked high school by U.S. News and World Report.

Apply online at **https://apptrkr.com/2036821**

**CAMPUS SECURITY CRIME STATISTICS:** For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to http://www.police.psu.edu/clery/, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

## Piedmont College

*Assistant/Associate Professor of Physics*

Piedmont College located in Demorest and Athens, Georgia, is seeking candidates for the full-time position of Assistant/Associate Professor of Computer Science to begin on August 1, 2021.

**Required**:

PhD in Physics or related field

**Preferred**:

Prior teaching experience in a college/university environment highly preferred.

**Apply online at:** *http://apply.interfolio.com/79987* **or www.piedmont.edu**

*Piedmont College does not discriminate on the basis of race, color, national origin, sex (including pregnancy and gender identity), sexual orientation, disability, age, genetic information, or religion.*

## Portland State University

*Assistant Professor*

The Department of Computer Science at Portland State University invites applications for an Assistant Professor position. Exceptional candidates will also be considered for appointment at the rank of Associate Professor. Candidates in all areas of Computer Science will be considered, with a preference for applicants who will enhance or complement our existing areas of research expertise (*https://www.pdx.edu/computer-science/research-areas*) and/or whose work is aligned with the strategic visions of the department (*https://www.pdx.edu/computer-science/strategic-vision*) or the Maseeh College (*https://www.pdx.edu/engineering/strategic-vision*).

The expected start date for these positions is September 2021, but earlier or later dates can be negotiated.

For more information and application details, please visit *https://bit.ly/pdx-cs-position.*

Portland State University is an Affirmative Action, Equal Opportunity institution and welcomes applications from all diverse candidates, including, among others, protected veterans and individuals with disabilities.

## Princeton University

*Lecturer 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/16441*

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://www.cs.princeton.edu/*

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Requisition #: D-20-COS-00009

## Princeton University

*Postdoctoral Research Associate in Theoretical Computer Science*

The Department of Computer Science at Princeton University is seeking applications for postdoctoral or more senior research positions in theoretical computer science and theoretical machine learning. Positions are for one year anticipated to start in September 2021 with the possibility of renewal contingent upon satisfactory performance and continued funding. Candidates must have a PhD in Computer Science or a related field.

For full consideration, we recommend that candidates apply (including letters of recommendation) by December 10, 2020, though we will continue to review applications past that date.

Applicants must apply to: *https://www.princeton.edu/acad-positions/position/18501* and submit a cover letter, CV, research statement, and contact information for three references.

This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Requisition #D-21-COS-00003

## 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 PhD in Computer Science or a related field is required. Positions are for one year with the expectation of renewal for a second year, subject to a satisfactory

first year performance. Appointment will start in the Fall 2021 semester, and is contingent on completion of 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/18441* 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, 2021, though we will continue to review applications past that date. These positions are subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Requisition #D-21-COS-00002

## Purdue University

*Tenure-Track/Tenured Professors in Computer Science - Artificial Intelligence*

The Department of Computer Science in the College of Science at Purdue University invites applications for multiple tenure-track or tenured positions in the broad area of artificial intelligence. 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 broadly interested in candidates from all areas of Artificial Intelligence. To expand and enhance our existing strengths, we are particularly interested in machine learning; natural language processing; information retrieval; human-computer interaction; vision; fairness, accountability, transparency, and justice in AI; and reasoning/decision making. Applicants must 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 discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, 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 2020, and will continue until positions are filled. Inquiries can be sent to *ai-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 Positions***

***School of Electrical and Computer ENGINEERING***

The School of Electrical and Computer Engineering at Purdue University invites applications for multiple tenure-track positions at the Assistant and Associate Professor levels. Purdue University seeks to attract exceptional candidates with interests and expertise in) machine learning, artificial intelligence, computer vision, imaging, robotics, natural language processing, computational neuroscience, learning for control, signal processing, and other data science-related methodologies and ii) wireless communications and data science applications to wireless. These positions are aligned with Purdue Engineering's initiative on Data and Engineering Applications.

Successful candidates must hold a Ph.D. degree in electrical and computer engineering, computer science, statistics or a related discipline and demonstrate excellent potential to build an independent research program at the forefront of their field, as well as potential to educate and mentor students. The successful candidates will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service both at the School and University levels. Candidates with experience working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply.

The School of Electrical and Computer Engineering at Purdue University is proud of its leading research groups in computer engineering, communications, networking, signal and image processing, VLSI, and circuit design. The School hosts several nationally recognized research centers and was recently part of two NSF Engineering Research Centers (ERCs). The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (7th for graduate programs, 3rd for online graduate engineering programs, and 9th for undergraduate programs per USWNR, 2020) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting Purdue Engineering Initiatives (PEI's), and facilities. In addition, Purdue University has launched the Integrative Data Science Initiative. Our vision is to be at the forefront of advancing Data Science-enabled research and education by tightly coupling theory, discovery, and applications while providing students with an integrated, Data Science-fluent campus ecosystem.

Use this posting link *https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=11912&company=purdueuniv* to submit required application documents including a complete curriculum vitae, a statement of teaching and a statement of research, and names and contact information of three references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at *coeacademicaffairs@purdue.edu*.

Review of applications will begin on November 16, 2020, and will continue until position is filled. A background check will be required for employment in this position.

Purdue is an ADVANCE institution *http://www.purdue.edu/advance-purdue/*. Purdue University's School of Electrical and Computer Engineering 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 a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

*Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.*

## Perdue University

*Tenure-Track/Tenured Professors in Computer Science - Data Science*

The Department of Computer Science in the College of Science at Purdue University invites applications for tenure-track or tenured positions in the broad area of data science. The appointments would start in August 2021 or a future date subject to negotiation. Early career candidates with exceptional qualifications may be considered for a term-limited early career endowed professorship.

We are interested in all standard aspects of data science relevant to computer science, including:

- systems research into data-science computing platforms
- theory and data science
- computational science and engineering, scientific computing, and scientific machine learning
- numerical optimization and numerical methods for data science
- high performance computing for data science
- topological and geometric aspects of data analysis
- software engineering for data science.

Appointments are expected to 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. Please also see the Computer Science positions posted for Artificial Intelligence and Theory searches as data science candidates may also be relevant to those positions. There are other posted positions in data science at Purdue as well in both the Mathematics and Statistics departments. Candidates are encouraged to apply for all that are relevant.

**Qualifications:** Applicants must 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. 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, (3) a statement of teaching, 4) at least three names of reference, and (5) the Diversity and Inclusion Statement. Purdue University's Department of Computer Science 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 a separate Diversity and Inclusion Statement, 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 January 15, 2021, and will continue until positions are filled. Inquiries can be sent to *ds-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 Professors in Computer Science - Foundations of Data Science*

The Department of Computer Science in the College of Science at Purdue University invites applications for multiple tenure-track or tenured positions in Foundations of Data 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 research combines the foundations of data science and theoretical computer science. This includes new algorithmic techniques and principles for processing and analyzing data, advances of the data processing pipeline - ranging from data generation and collection to data analysis and decision making - and theoretical foundations that advance and unify data science application domains. Highly qualified applicants in related areas of theoretical computer science will be considered. Applicants must 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 must 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 discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, 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 2020 and will continue until positions are filled. Inquiries can be sent to *foundations-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 in Human-Computer Interaction*

The Department of Computer Graphics Technology at Purdue University (CGT) seeks a tenure-track Assistant Professor in the field of Human-Computer Interaction (HCI). An earned doctorate in a field related to Human-Computer Interaction (HCI), completed by August 1, 2021 Focus areas may include interactive computing, computer science, digital media, information sciences, engineering, computational media, information design, tangible and embodied interaction, AR/VR/xR, interactive media development, user experience, and visualization. Evidence of the ability to pursue interdisciplinary funded research and work with and teach diverse groups of students is required.

The full advertisement, application requirements, and submission instructions can be found at: *https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=11874&company=purdueuniv*.

A background check will be required for employment in this position.

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 in Interactive Applications Development*

The Department of Computer Graphics Technology at Purdue University (CGT) seeks a tenure-track Assistant Professor in the field of Interactive Media Development (IMD). An earned doctorate in a field related to interactive media development (IMD) or information science, completed by August 1, 2021. Focus areas may include interactive and human-centered computing, AR/VR/xR, physical computing, computer science, digital media, information sciences, HCI, engineering, computational media, information design, tangible and embodied interaction, user experience, and visualization. Evidence of the ability to pursue interdisciplinary funded research and work with and teach diverse groups of students is required.

**The full advertisement, application requirements, and submission instructions can be found at**:*https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=11880&company=purdueuniv*.

A background check will be required for employment in this position.

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 must hold a PhD in computer science or a related field. 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 online 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 discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, 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 2020, 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.*

## Reed College

*Tenure-Track Position in Computer Science*

The Department of Computer Science at Reed College invites applications for a tenure-track faculty position, rank open, beginning in the fall of 2021. Applicants should have a Ph.D. in computer science or a closely related field by the time of the appointment and should be committed to excellence in their teaching and in their scholarship. Applicants from systems/application research areas (e.g., networks, database systems, security, distributed computing, operating systems, robotics, etc.) are especially encouraged to apply, though applicants in all areas will be considered . The successful applicant will help teach the core computer science curriculum at all levels in the major, in cooperation with their fellow faculty, and will develop one or more courses in their areas of expertise. The department is committed to giving all its students the opportunity to explore research topics in computer science and in its applications. The successful candidate will advise several year-long senior thesis projects that are required of all Reed students.

Reed is a distinguished liberal arts college with approximately 1400 students that offers a demanding academic program to bright and dedicated undergraduates. Reed believes that this requires a faculty that is actively engaged in cutting-edge research and provides the resources necessary to enable that research. The college believes that cultural diversity is essential to the excellence of our academic program (see *https://www.reed.edu/diversity/*). Applicants to the position are encouraged to contact Adam Groce (*agroce@reed.edu*), the chair of the search committee, for further details about the position and the college's computer science program. Information about the position is also posted at *https://www.reed.edu/computer-science/faculty-search.html*.

### Application Instructions

Applicants should submit their applications electronically through the Interfolio service at *http://apply.interfolio.com/81821* and should include a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and three letters of recommendation. The cover letter should address how the applicant's teaching and scholarship are suited to the liberal arts college environment. The diversity statement should address how the applicant can further the diversity and inclusivity of the computer science program.

Though thorough review of applications will continue until the position is filled, applications submitted by January 11, 2021 are assured to get the fullest consideration. Reed College is an Equal Opportunity Employer and is committed to building an excellent diverse scholarly community. Members of underrepresented groups are especially encouraged to apply.

## Regeneron Pharmaceuticals

*Manager, Application Development*

We are seeking a talented Manager to join the Regeneron Genetics Center team to help enable the analysis and interpretation of genetic data for 100,000s of individuals, by developing the analysis tools and web applications that will enable scientists to explore the data at scale.

A typical day may include designing, architecture, implementing and refining algorithms for visualization of genetic and health data, with a focus on web accessible applications. These applications will facilitate analysis and exploration of datasets with 1,000,000s of genetic variants, 1,000,000s of individuals, and 10,000s of health related traits.

To be considered, you must have experience working with cloud computing environments and an excellent knowledge of one or more of the following priority areas: Javascript, d3, jQuery, Vue.js, React, Angular, HTML5, CSS, Python, Flask, Node.js, AWS Lambda, WDL, Cromwell, SQL, and Parquet database architecture and queries; Bachelor's degree in Computer Science or related field, with 3-5 years of experience in developing reusable software and software components; Expertise in the development of tools for interactive exploration and visualization of genomic data and other very large datasets is highly desired. Knowledge of

data visualization tools and architectures (d3, R, tableau) and of efficient strategies for visualizing and summarizing millions of data points, particular in the context of genetic association studies.

We have an inclusive and diverse culture that provides amazing benefits including health and wellness programs, fitness centers and stock for employees at all levels! Regeneron is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion or belief (or lack thereof), sex, nationality, national or ethnic origin, civil status, age, citizenship status, membership of the Traveler community, sexual orientation, disability, genetic information, familial status, marital or registered civil partnership status, pregnancy or maternity status, gender identity, gender reassignment, military or veteran status, or any other protected characteristic in accordance with applicable laws and regulations. We will ensure that individuals with disabilities are provided reasonable accommodations to participate in the job application process. Please contact us to discuss any accommodations you think you may need.

**APPLICATION LINK:** *https://careers.regeneron.com/job/22134BR*

*View req*

## Rollins College

*Visiting Assistant Professor, Computer Science*

The Department of Mathematics and Computer Science at Rollins College invites applications for a one-year Visiting Assistant Professor of Computer Science beginning in August 2021.

Our dynamic department is looking for a colleague who is excited about joining a growing program at a liberal arts college. The successful applicant should be able to teach a variety of computer science courses, ranging from introductory level to advanced undergraduate. We are looking for a candidate who is passionate about advancing equity and inclusion in computer science. In addition to disciplinary scholarship, our department values both community-engaged projects and research that advances computer science education.

A PhD in computer science or a related area is preferred. Candidates with a Master's degree may be considered for a Visiting Lecturer position.

Rollins is nationally recognized for its engaged approach to liberal education. Our students and alumni attain positions at some of the world's leading technology companies and government labs, including Apple, Amazon, EA, and NASA. Other recent students are attending graduate programs at Georgia Tech, Johns Hopkins, and Harvard, among others.

**Special Instructions to Applicants:**

Interested applicants must apply online via the College's employment website and upload the following materials:

*https://jobs.rollins.edu/en-us/job/493078/visiting-assistant-professor-computer-science*

Letter of interest/Curriculum vitae/Statement on teaching philosophy

Provide three reference names and email addresses on application.

Questions may be directed to Dr. Dan Myers, chair of the search committee, at *dmyers@rollins.edu*.

Review of applications will begin immediately and continue until the position is filled.

## Rutgers University

*Postdoctoral Associate*

DIMACS Center

DIMACS, the Center for Discrete Mathematics and Theoretical Computer Science, invites applications for postdoctoral associate positions for 2021-23. Applicants should be recent PhDs with interest in DIMACS areas, including theoretical computer science, discrete mathematics, statistics, operations research, data science, AI, machine learning, and their applications. Application review begins January 15, 2021.

For information see *https://jobs.rutgers.edu/postings/122935*.

DIMACS is an EO/AA employer.

## Rutgers University

*Postdoctoral Associate in Security and Privacy*

Applications are invited for multiple postdoctoral associate positions in security and privacy, primarily with

application to healthcare. The positions are fully funded for multiple years.

Salary will be commensurate with experience and Rutgers provides excellent benefits.

A detailed job description and the link to apply is available at: *https://jobs.rutgers.edu/postings/121609*

## Rutgers University

*Tenure-Track Faculty Position in Data Science*

*Department of Library and Information Science*

*School of Communication and Information*

We seek applications for one tenure-track position in the area of Data Science, from candidates who complement the strengths of our existing faculty and will fully engage with research, teaching, and administration.

The ideal candidate's scholarship in Data Science would focus in areas such as:

- designing artificial intelligence (AI) approaches for social good, with a particular focus on applications relating to communication, information, and media.
- developing human-centered machine learning in the context of issues of ethics, such as fairness, accountability, transparency, explainability, inequity, and the social impact of algorithms.
- computational social science – including developing data science methods to understand human behavior, to inform scientific inquiry, to aid theory development, and to support causal inferences.
- natural language processing – including deep learning approaches for language analysis, computational persuasion, and conversational AI.
- network science – including data intensive approaches to understand social networks, social contagion, and network dynamics.

The successful applicant will teach courses in areas such as data analytics, machine learning, social network analysis and natural language processing in an iSchool context. We especially invite candidates who will take leadership roles in our highly ranked Master of Information (MI), our rapidly growing Information Technology and Informatics (ITI) undergraduate major, and our inter-disciplinary Ph.D. program. We are a charter member of the iSchool caucus. We are currently in an exciting period of transformation and growth as we form a hub for data science across departments at Rutgers University.

Rutgers University's School of Communication and Information houses a dynamic and engaged community of scholars whose fields of library and information science, communication, and journalism and media studies intersect to address society's challenges. For more about the School, see comminfo.rutgers.edu. For queries regarding the position, please contact the Search Committee Chair Vivek Singh, Ph.D. (*v.singh@rutgers.edu*).

Qualifications: Ph.D. or equivalent doctoral degree in a relevant field is expected as of June 2021. Applicants should have a demonstrated record or strong likelihood of top-tier peer-reviewed publications and evidence of or preparation for effective teaching.

Requirements: Responsibilities of tenure-track faculty members include undergraduate and graduate teaching assignments, an active program of research in the candidate's area of scholarly expertise, and service contributions in accordance with the university policy for tenure-track and tenured appointments.

For detailed information and to submit an application: Applications should address the points above and clearly articulate the candidate's fit to specific departmental and school-wide research foci. Please include a letter of application, CV, three representative publications, a research statement, a teaching statement, and names and contact information for three referees (no letters at this time). Priority review of applications will begin on November 1, 2020. Apply at *https://jobs.rutgers.edu/postings/120336.*

Rutgers University is an AA/EEO employer - M/F/Veteran/Disability. For additional information please see our Non-Discrimination Statement at *http://uhr.rutgers.edu/non-discrimination-statement.*

## Rutgers University

*Tenure-Track Assistant Professor*

The Computer Science Department at Rutgers University invites applications for a Tenure-Track Assistant Professor

position in Theoretical Computer Science. We welcome candidates working on computational complexity theory but outstanding applicants in all areas of TCS will be considered. Consistent with the aims of the Simons Junior Faculty Fellows program, which provides partial funding, the department also welcomes applicants who are most affected by the COVID-19 pandemic: postdocs and new PhDs.

The appointment will start September 1, 2021. Responsibilities include research in the area of Theoretical Computer Science, supervision of PhD students, and teaching undergraduate and graduate level courses in Computer Science. Pursuit of external research funding is expected.

Qualifications: Successful completion of a PhD or equivalent in Computer Science or a closely related field is required by the start date.

To apply please submit your CV, a research statement addressing both past and future work, a teaching statement, and contact information for three references at *http://jobs.rutgers.edu/postings/120527*. For questions, contact: *martin@farach-colton.com*

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.

## Saarland University

*Three Tenure Track Professors in Computer Science and Related Fields*

**3 Tenure Track Professors (W2)** in computer science and related areas with six-year tenure track to a permanent professorship (W3).

We are looking for highly motivated young researchers in any modern area of Computer Science, especially in one or more of the following research 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
- Robotics
- Quantum Computing

The position will be established in the Department for Computer Science or in the Department for Language Science and Technology of Saarland University (For further information: *https://saarland-informatics-campus.de*)

Tenure track professors (W2) have faculty status at Saarland University. They focus on world-class research and will lead their own research group.

Applicants must hold an outstanding PhD degree, typically have completed a postdoc stay, have teaching experience and they must have demonstrated outstanding research abilities. Teaching languages are English or German (basic courses). We expect sufficient German language skills after an appropriate period.

**Candidates should submit their application only online at:** *https://applications.saarland-informatics-campus.de*

No additional paper copy is required. The application must contain:

- a cover letter and curriculum vitae
- a full list of publication
- a short prospective research plan (2-5 pages)
- copies of degree certificates
- full text copies of the five most important publications
- a list of references: 3-5 (including email addresses), at least one of whom must be a person who is outside the group of your current or former supervisors or colleagues.

Applications will be accepted until December 11th, 2020. Application talks will take place between Feb. 01 and Feb. 26, 2021. Please contact *apply@saarland-informatics-campus.de* if you have any questions.

**Full job advertisement:** *https://lmy.de/SYv1F*

# Professional Opportunities

## Sacred Heart University

*Tenure-track Faculty*

The School of Computer Science & Engineering at Sacred Heart University, seeks applicants for a tenure-track faculty position. PhD in CS or related field is required.

Go to *bit.ly/shu-scse-aiml* for position descriptions and next steps. First round of reviews will start in mid-December.

Sacred Heart University is an equal-opportunity employer.

## San José State University

*San José, California*
*Department of Computer Science*
*Rank: Assistant Professor (tenure-track)*

Starting Date: August 2021

Eligibility: Employment is contingent upon proof of eligibility to work in the United States.

Application Procedure:

All materials are due by November 30 2020 for full consideration.

Apply at: *http://jobs.sjsu.edu/sj/en-us/job/497955?lApplicationSubSourceID=*

## San José State University

*Assistant Professor - Computer Engineering*

The Computer Engineering Department at San José State University (SJSU), http://cmpe.sjsu.edu/, invites applications for two tenure-track faculty positions at the rank of Assistant Professor. Areas of particular interest include artificial intelligence and machine learning, visualization and user experience, data analytics and design thinking, virtual and augmented reality, data mining and big data, robotics, computer systems architecture, FPGA, and embedded systems, but other areas in computer and software engineering will also be considered.

To apply, please visit: *https://jobs.sjsu.edu/en-us/job/497818/assistant-or-associate-professor-computer-engineering*

**Equal Employment Statement:**

*SJSU is an Equal Opportunity Affirmative Action employer. We consider qualified applicants for employment without regard to race, color, religion, national origin, age, gender, gender identity/expression, sexual orientation, genetic information, medical condition, marital status, veteran status, or disability.*

*It is the policy of SJSU to provide reasonable accommodations for applicants with disabilities who self disclose.*

## Seton Hall University

*Assistant Professor*

The Department of Mathematics and Computer Science at Seton Hall University (SHU) invites applications for a full-time tenure-track position in Cybersecurity/Computer Science starting in August 2021. The department offers B.S. programs in Computer Science, and Mathematics, a certificate in Cybersecurity and an online M.S. in Data Science. The position requires a Ph.D. in Computer Science or related discipline with research focus in Cybersecurity, such as secure cloud computing or IoT. The successful applicant is expected to participate in grant initiatives at SHU, enjoy interdisciplinary collaboration with SHU faculty, maintain an active research program and teach Cybersecurity and Computer Science courses. Teaching introductory computer science courses, including willingness to learn and apply the Program by Design teaching methodology, is required. The teaching load is three courses per semester.

Applications must include a cover letter, curriculum vitae, three letters of reference, research statement, teaching philosophy and diversity statement. Since Seton Hall University is committed to providing a diverse and inclusive environment, the application must include a statement explaining what diversity means for the applicant with respect to the academic field and the community and how the applicant would support diversity.

Seton Hall University is an Equal Opportunity/Affirmative Action employer. Applicants must understand and be willing to support the Catholic mission of the university.

Submit applications at *https://jobs.shu.edu/cw/en-us/job/494439/tenure-track-cybersecuritycomputer-science*

# Professional Opportunities

## ShanghaiTech University

*Faculty positions in School of Biomedical Engineering*

ShanghaiTech University invites highly-qualified candidates to apply for multiple tenure-track/tenured faculty positions in the newly established School of Biomedical Engineering (BME). We seek candidates with exceptional academic records, who have demonstrated strong potentials in all cutting-edge research areas of Biomedical Engineering. ShanghaiTech University is a newly-founded university in the heart of Shanghai Pudong's Zhangjiang High-Tech Park that pioneers a new higher education and research system in China. With the backing and support of Shanghai Municipal Government and Chinese Academy of Sciences, ShanghaiTech aims to establish and maintain a world-class research profile in areas of energy, materials, biology, environment, human health, information technology and mathematics and to train future generations of scientists, entrepreneurs, and technical leaders. ShanghaiTech enjoys tremendous diversity, including faculty members from twenty-one countries. The qualified candidates must be fluent in communicating in English. Applicants with prior education and training experiences in overseas institutions are encouraged to apply.

**Academic Disciplines:**

Candidates in all areas of Biomedical Engineering shall be considered. Our recruitment focuses, but is not limited to: Medical Imaging and Informatics (i.e., MR, CT, PET, Radiotherapy), Intelligent Medicine (using Artificial Intelligence, and Big Data), and Smart Biomedical Instruments (i.e., Wearable Device and Medical Robotics).

**Compensation and Benefits:**

Salary and startup funds are highly competitive, commensurate with experience and academic accomplishment. We also offer a comprehensive benefit 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. (Biomedical Engineering, Medical Imaging, Medical Physics, Biomedical Image Analysis, Artificial Intelligence, Medical Robotics, or other related scientific disciplines);
- A minimum relevant (including PhD) 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: *bme@shanghaitech.edu.cn*

Related information can also be found here: *https://jobs.shanghaitech.edu.cn/*

## Southern Illinois University Carbondale

*Assistant Professor*

Southern Illinois University Carbondale invites those with potential for excellence in research and teaching to submit an application for consideration as an Assistant Professor in the School of Computing. This is a 9-month, continuing, tenure-track appointment starting August 16, 2021. We are particularly looking for those who specialize in Data Mining, Text Mining, Big Data Analytics, Big Data Applications, or related fields.

Please use the following link to apply *https://jobs.siu.edu/job-details?jobid=11206*

## Southwestern University

*Assistant Professor of Computer Science - Tenure Track*

The Department of Mathematics and Computer Science at Southwestern University invites applications for a tenure-track Assistant Professor position in Computer Science beginning August 2021. Candidates must possess a Ph.D. in Computer Science or a related field.

**For more information visit** *https://apply.interfolio.com/80772*.

## Stanford University

*Executive Director Strategic Research Initiatives*
*School of Engineering, Computer Science Department*

**The School of Engineering**

Stanford Engineering has been at the forefront of innovation for nearly a century, creating pivotal technologies that have transformed the worlds of information technology, communications, health care, energy, business and beyond. Our faculty and students are creative risk-takers who pursue excellence across a breadth of disciplines. Our alumni include some of the world's most successful leaders in technology and business. Our staff are critical to enabling Stanford Engineering to accomplish its mission: seeking solutions to some of the world's most urgent challenges and educating leaders who will make the world a better place through the power of engineering principles, techniques and systems.

Founded in 1965, the Stanford Computer Science (CS) Department continues to lead the world in computer science research and education influencing society at levels that remain without parallel among academic institutions. Its spin-offs are among the most successful corporate ventures in the world, and many of the leaders in the academic and corporate research world are graduates of the Stanford CS Department. Computer Science website: *http://www-cs.stanford.edu/*

The Executive Director of Strategic Research Initiatives in the Computer Science Department is responsible for working with Computer Science faculty to identify, develop, and manage significant new or expanded research programs. The Executive Director works closely with faculty to understand their interests and works with organizations within Stanford University to determine how to best manage each program. The Executive Director is responsible for developing relationships with companies interested in the Computer Science Department's research efforts. The Executive Director leads a team of four to facilitate the corporate interactions including affiliate program events.

The Executive Director is currently responsible for several industrial affiliate programs, including the Stanford Data Science Initiative, and the Stanford Artificial Intelligence Lab Affiliates Program; these responsibilities may change over time. Industrial affiliates programs are corporate membership organizations that facilitate deep engagement for companies with Stanford faculty, students, and their research, enabling communication about real-world problems, opportunities, and innovative solutions. The Executive Director may have other responsibilities such as serving as executive director for programs that are in various stages of maturity. The portfolio of programs currently has more than 20 corporate members, about 50 affiliated faculty, and generates critical funds to help support the university's research mission in data science, artificial intelligence, and computation.

The Executive Director reports to the Chair of the Computer Science Department. A faculty committee is responsible for overseeing the Executive Director, helping to identify new opportunities and to prioritize or resolve conflicts as needed. The faculty committee will be comprised of the faculty leaders of the relevant affiliate programs (SDSI, SAIL, AI Health, AI Safety, DAWN, and others as appropriate) plus additional faculty to achieve Computer Science Department-wide representation. The Executive Director works closely with Engineering External Relations, Stanford Corporate and Foundation Relations, the Industrial Contracts Office and other stakeholders across campus to leverage their expertise, provide them with timely information about external funding priorities and activities in the Computer Science Department, and ensure that both the letter and spirit of Stanford policies are observed.

**Your responsibilities include:**

- Provide leadership direction to assigned staff in the program area and oversee staff with program responsibility.
- Design, develop, and oversee implementation of the most complex programs. Devise and implement vision, strategy, goals, and resource development in consultation with faculty director. Assess entity/program efficacy. Shape development of research and/or teaching programs. Provide guidance to program staff or instructors.
- Develop, maintain, and control the financial budget related to program(s); shape financial strategy and long-range financial planning.

- Lead strategic planning and analysis for complex functions or programs with significant business, regulatory and/or technical challenges requiring subject matter expertise. May oversee development of program from initial concept to implementation.
- Manage the administration and evaluation of functions or programs. Oversee the interpretation, implementation and compliance with policies and regulations.
- Recommend actions and/or resolve complex issues that often span organizational boundaries.
- Represent the program or function at the university level and/or to external constituencies.
- Develop and manage outreach strategy that includes relationship development, communications, and compliance.
- Oversee or supervise staff in the development and implementation of functions or programs.
- Act as the subject matter expert for School/unit and/or the university regarding the interpretation, implementation and compliance with policies and regulations.
- * - Other duties may also be assigned

**To be successful in this position, you will bring:**

- Advanced degree or combination of relevant education and five or more years relevant experience in your area of specialization and the items listed below.
- Program management. The Executive Director has overall responsibility for assuring that all the program elements necessary for success are in place, for the detailed design of those program elements, and for their execution.
- Interpersonal relations. The Executive Director must have high EQ and interact effectively with corporate employees at all levels particularly senior executives, university faculty, grad students and postdocs, and administrative staff. It is critical to maintain excellent relationships with faculty, particularly by using their time respectfully.
- Communications. The Executive Director must have a proven ability to write and speak effectively. Working with program staff, the Executive Director is responsible for websites, PowerPoint presentations, participation agreements, brochures, and other communications as well as the contact database.
- Events. Working with program staff, the Executive Director is responsible for conferences, retreats, and a wide variety of smaller meetings.
- Member retention. The Executive Director is responsible for understanding, anticipating, and meeting corporate member needs.
- Member recruiting. The Executive Director is responsible for identifying prospective corporate members, meeting with them, and assisting them in developing relationships with Stanford University.
- Financial. Working with the Administrative Manager, the Executive Director is responsible for developing budgets and managing income and expenses. The primary source of funds is corporate membership fees. The primary use of funds is funding research. Additional uses of funds include staff salaries and events.
- Policies and ethics. The Executive Director is responsible for understanding and applying all relevant university policies and must demonstrate the highest integrity with respect to ethical standards and university policies and guidelines.

**In addition, preferred requirements include:**

- Experience working at the research intersection of Industry and Academia in Artificial Intelligence and Data Science.
- Ph.D. preferred in relevant field.
- May work extended hours, evenings, or weekends.
- May travel. Occasional overnight travel.
- Successfully pass a background check (Criminal, Education, Employment Verification).
- We are unable to provide sponsorship for this position.

**Why Stanford is for You**

Since its founding, Stanford's pioneering spirit has embraced new ways of fulfilling its mission of research, education, and service. Today, we face a future of both promise and peril, marked by a breathtaking pace of change. We need new thinking and new approaches to anticipate and navigate this change, in order to deepen knowledge, address challenges and accelerate our contributions to society. By tapping into the wisdom of our

campus community, alumni, and outside perspectives, Stanford leadership has developed a vision to guide our shared journey over the next decade and beyond. We seek talent driven to impact the future of Stanford's legacy. Our culture and unique perks empower you with:

- Freedom to grow. We offer career development programs, tuition reimbursement, and course auditing. Join a TedTalk, film screening, or listen to a renowned author or global leader speak.
- A caring culture. We provide superb retirement plans, generous time off, and family care resources.
- A healthier you. Climb our rock wall or choose from hundreds of health or fitness classes at our world-class exercise facilities. We also provide excellent health care benefits.
- Discovery and fun. Stroll through historic sculptures, trails and museums.
- Enviable resources. Enjoy free commuter programs, ride sharing incentives, discounts and more!

**How to Apply**

We invite you to apply for this position by clicking on the "Apply for Job" button at *http://m.rfer.us/STANFORDx_lCpX*. To be considered, please submit a cover letter and resume along with your online application. Your one-page cover letter should briefly describe your background in customer service, event and project management, and provide examples of your experience with attention to detail, responsiveness, and decision-making.

The job duties listed are typical examples of work performed by positions in this job classification and are not designed to contain or be interpreted as a comprehensive inventory of all duties, tasks, and responsibilities. Specific duties and responsibilities may vary depending on department or program needs without changing the general nature and scope of the job or level of responsibility. Employees may also perform other duties as assigned.

Consistent with its obligations under the law, the University will provide reasonable accommodation to any employee with a disability who requires accommodation to perform the essential functions of his or her job.

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.

Additional Information
Schedule: Full-time
Job Code: 4116
Employee Status: Regular
Grade: L
Requisition ID: 88018

## Stevens Institute of Technology

*Teaching 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 two non-tenure-track, teaching faculty positions in all areas of Computer Science to begin in January of 2021.

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, over 1,000 undergraduate and graduate students and is 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

Stony Brook University

## Faculty Positions in Quantum Computing and Theoretical Computer Science

**Department of Computer Science**

Stony Brook University's Department of Computer Science invites applicants for multiple tenure-track/tenured faculty positions at the Assistant, Associate and Full Professors levels with an expected starting date of Fall 2021. Exceptionally qualified junior and senior candidates in all areas of Computer Science are invited to apply. Candidates in theoretical computer science are particularly encouraged, specifically
1) quantum computing/information science;
2) algorithms and complexity theory; and
3) theory of machine learning.

The department values diversity and seeks candidates who can contribute to a welcoming climate for all students. We strongly encourage qualified women and minority candidates to apply. Applicants should hold a Ph.D. in Computer Science or a closely related discipline.

The Department of Computer Science currently has over 50 full-time faculty members and is undergoing a period of rapid growth. In 2015 the department moved to a new state-of-the-art 70,000 sq ft building. The department is either home to or has significant collaborations with several interdisciplinary centers on campus, including the Institute for AI-Driven Discovery and Innovation, National Security Institute (NSI), Center for Visual Computing (CVC), Center of Excellence in Wireless and Information Technology (CEWIT) and Institute of Advanced Computational Science (IACS). More information about the department is available from its web site http://www.cs.stonybrook.edu.

Applicants need to electronically submit a curriculum vitae, statements of teaching and research, and three letters of recommendation or evaluation. Please apply here with the requested documents: **https://apptrkr.com/2039466**

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 October 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*).

## Swarthmore College

*Swarthmore, PA*

*Computer Science Department*

*Visiting Assistant Professor of Computer Science*

### Description

The Department of Computer Science at Swarthmore College invites applications for multiple Visiting Assistant Professor positions to begin Fall semester 2021. 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. The Department also welcomes candidates who conduct interdisciplinary research in the humanities and social sciences.

The Computer Science Department currently has ten 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 we expect that 17% of students (70 total) graduating from the College in the 2020-21 academic year will major in Computer Science.

Located in the suburbs of Philadelphia and near Wilmington DE, Swarthmore College is a highly selective liberal arts college whose mission combines academic rigor with social responsibility. Swarthmore has a strong institutional commitment to diversity, and actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world. Applicants from traditionally underrepresented groups are strongly encouraged to apply. For more information on Faculty Diversity and Excellence at Swarthmore, see *http://www.swarthmore.edu/faculty-diversity-excellence/information-candidates-new-faculty*

**Qualifications**

Applicants must have a Ph.D. in Computer Science or expected by Fall 2021. Applicants strong in any area of computer science will be considered.

**Application 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 January 15, 2021 for will receive full consideration. Apply through Interfolio: *https://apply.interfolio.com/80913*. Applications will be reviewed on a rolling basis until all positions are filled. Selected applicants will be invited for interviews. Due to the ongoing COVID-19 pandemic, all interviews will be conducted remotely.

**Equal Employment Opportunity Statement**

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.

## Texas A&M University

*Assistant/Associate/Full*

The Department of Visualization in the College of Architecture at Texas A&M University invites applications for multiple tenured/tenure track open-rank faculty positions at the Assistant/Associate/Full Professor level with research and teaching interests aligned with visual computing. The expected start date is Fall 2021. These are nine-month, full-time, academic appointments. Candidates should have relevant experience in areas related to visual computing including but not limited to computer graphics, visualization, computer vision, virtual and augmented reality, image and video processing, computational design and fabrication, computational photography, computer animation, and human computer interaction.

The successful applicants will develop an independent, externally funded research program, teach courses at the undergraduate and graduate levels, advise and mentor graduate students, participate in all aspects of the department's activities, and serve the professional community. By being an integral part of Texas A&M University, with its 19 colleges and schools, 3,950 faculty, 69,300 graduate and undergraduate students, research expenditure of over $922 million annually, and endowment of over $11.5 billion, there are excellent opportunities for interaction with scholars in other departments and disciplines to support large scale initiatives. Through effective industrial advisory committees that provide valuable guidance, the department also has numerous opportunities for the development of laboratories and sponsorship of research activities. In the case of dual-career placement, the Dean of Faculties office will work with the hiring department and college to identify and contact appropriate departments on behalf of the partner (*https://dof.tamu.edu/Faculty-Resources/DUAL-CAREER-PARTNER-PLACEMENT*).

A Ph.D., or equivalent, in a related field is required. In rare circumstances candidates with an extraordinary record of accomplishment without a Ph.D. 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 (*https://viz.arch.tamu.edu*).

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and a list of three references (including postal address, phone number and email address). Applications must be submitted through the Interfolio portal: *http://apply.interfolio.com/81465*

Review of applications and interviews will begin on January 15, 2021. Applications will be considered until the positions are filled. For additional information, please contact the search committee chair Dr. Ergun Akleman at *ergun.akleman@tamu.edu*.

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.

Texas A&M University is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer committed to diversity.

## Texas A&M University

*Assistant, Associate or Full Professor*

The College of Engineering at Texas A&M University invites applications for two full-time tenured or tenure-track positions in the area of Data Science to reside in either the Department of Computer Science and Engineering or the Department of Industrial and Systems Engineering. Areas of interest include all sub-areas of Data Analytics, Data Science, and Data Engineering. These positions are 9-month academic appointments with the possibility of an additional summer appointment contingent upon need and availability of funds, beginning fall of 2021. Applicants will be considered for the faculty titles of assistant, associate, and full professor levels depending on qualifications. The successful applicant 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.

The Department of Computer Science and Engineering (CSE) and the Wm Michael Barnes '64 Department of Industrial and Systems Engineering (ISEN) are currently one of 14 departments in the College of Engineering:

In CSE, 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. The CSE 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*.

In ISEN, many of the 31 tenured/tenure-track faculty and 18 teaching-focused faculty hold a number of national distinctions, including the Frank and Lillian Gilbreth Industrial Engineering Award, the Albert G. Holzman Distinguished Educator Award, Fellows of IISE, HFES, ASME, and ASEE, and Editor-in-Chiefs. The department has strong and vibrant research programs in Advanced Manufacturing, Data Science, Human and Health Systems Engineering (Human Factors and Ergonomics), and Operations Research. The ISEN student population is comprised of almost 900 undergraduate students (sophomore to senior level) and over 260 graduate students. More information about ISEN is available at *https://engineering.tamu.edu/industrial*.

CSE and ISEN faculty have strong collaborations with the Center for Remote Health Technologies and Systems, Cybersecurity Center, Institute for Manufacturing Systems, Institute of Data Science, and Bush Combat Development Complex. Successful applicants have the opportunity of courtesy appointments in departments such as the Department of Electrical and Computer Engineering, the Department of Statistics, and the Department of Mathematics.

Applicants must have earned a doctorate in computer science, computer engineering, industrial engineering, or a

closely related field. Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and a list of three references (including email addresses) by applying for this specific position at *http://apply.interfolio.com/81117*.

The review process will begin immediately. Priority consideration will be given to applications received by January 15, 2021. Applications received after that date may be considered until positions are filled. It is anticipated the appointments will begin fall 2021.

This institution is using Interfolio's Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials, including confidential letters of recommendation, free of charge.

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

*Department of Computer Science and Engineering*

*Faculty Position*

**Position URL**

*apply.interfolio.com/78301*

**Position Description**

The Department of Computer Science and Engineering at Texas A&M University invites applications for a full-time tenure-track position with 9-month academic appointment, and the possibility of an additional summer appointment contingent upon need and availability of funds, beginning fall of 2021. Applicants will be considered for the faculty titles of assistant, associate, and full professor levels depending on qualifications. Areas of computer science of interest include, but are not limited to, theory, systems, software, human-centered computing, artificial intelligence, robotics, cybersecurity, data science, and computer science education. Strong candidates in multi-disciplinary or emerging areas of computing are also encouraged to apply.

The successful applicant 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.

The Department of Computer Science and Engineering (CSE) 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. CSE faculty have strong collaborations with the *Center for Remote Health Technologies and Systems*, *Institute of Data Science*, and *Bush Combat Development Complex*. 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, diversity statement, and a list of three references (including email addresses) by applying for this specific position at *http://apply.interfolio.com/78301*. The review process will begin immediately. Priority consideration will be given to applications received by January 4, 2021. Applications received after that date may be considered until positions are filled. It is anticipated the appointments will begin fall 2021.

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

*Multiple Tenure-Track Faculty Positions*

### Description

The Department of Statistics at Texas A&M University anticipates multiple tenure-track Assistant Professor positions (outstanding starting Associate Professors could also be considered) to begin August 15, 2021 - August 15, 2022. All positions will be full-time, 9-month appointments.

The Department of Statistics has a tradition of outstanding methodological, theoretic, computational, and interdisciplinary research. Current faculty members actively collaborate with colleagues throughout the whole university. Texas A&M University has a partner placement program and is responsive to the particular needs of dual career couples.

### Qualifications

Completion of all requirements for a PhD/DSc degree in Statistics or a related field prior to beginning employment is required. The department encourages persons from all areas of research to apply, and is particularly interested in expertise in the broad area of data science. Evidence of interdisciplinary research and focus on computational aspects is a plus. In addition to outstanding research, the successful candidate will be expected to teach undergraduate and graduate courses and supervise graduate students. Excellent computing facilities are available and highly competitive startup funding is anticipated.

### Application Instructions

To apply, please visit (*http://apply.interfolio.com/79480*). Applicants must submit a cover letter, cv, research statement, and teaching statement.

The hiring committee will start to review applications in mid-October. Applications will continue to be accepted until the positions are filled. Please direct all inquiries to Dr. Suhasini Subba Rao, Search Committee Chair at *hiring@stat.tamu.edu*.

### Equal Employment Opportunity Statement

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.

## 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 2021. 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, 2020, and continue until the position is filled.

Trinity is an AA/EOE and warmly encourages women, members of minority groups, LGBTQ individuals and people with disabilities to apply. We are committed to enhancing our campus culture and curriculum through the diversity of its faculty, staff, and students.

# Professional Opportunities

## Trinity Western University

*Full-Time Tenure-Track Computing Science Faculty Position*

The Department of Computing Science at TWU invites applications for a full-time tenure-track faculty position beginning August 2021.

For more details visit: *https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=5fc58ca0-c392-450c-83fe-7fa1cbfbf700&ccId=2465155412_6591&type=MP&lang=en_CA*

## Tsinghua-Berkeley Shenzhen Institute

*Postdoc in RIOS Lab*

We are looking for candidates with a Ph.D. in Computer Science, Computer Engineering, or a related field to work as a postdoc in the RIOS Lab for the next two or three years. The ideal candidate is analytical, capable of working at both a high level and diving into the details, creative, enthusiastic, team-oriented, and possesses excellent communication and ideally has strong coding skills. A background in any of digital design, computer architecture, systems architecture, or compilers is a plus. RIOS Lab will provide internationally competitive packages as well as diversified working experiences in both Shenzhen and Berkeley under the direct advisorship of Professor David Patterson and the core team of RIOS Lab.

If you are interested in this position, please send your CV as well as two letters of recommendation to *chen.g@rioslab.org*

## UC Merced

*Assistant Professor in Computer Science*

The Department of Computer Science and Engineering at UC Merced seeks applicants for a tenure-track positions at the Assistant Professor level beginning in the 2021/2022 academic year. Priority will be given to candidates in the following areas of: Artificial Intelligence, Data Science, and Machine Learning.

However, exceptional candidates in all areas will be considered. We are particularly interested in attracting academically and cultured 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 be found at: *https://aprecruit.ucmerced.edu/JPF01041*

## UC Riverside

*Postdoc*

We are looking for a postdoc in the general area of network/system/ML security. We are interested in researchers who have either hands-on experiences in attacks or defenses (broadly-defined) or other backgrounds such as applying machine learning, AI, and program analysis to solve security problems. The offer is expected to last two years long.

Interested candidates should e-mail their CV to *zhiyunq@cs.ucr.edu*, *krish@cs.ucr.edu, amitrc@ece.ucr.edu.* We are especially interested in candidates that can start as early as possible.

## UNC Charlotte

*Tenure-Track Assistant Professor or Tenured Associate/Full Professor Position*

UNC Charlotte is seeking applicants for a tenure-track Assistant Professor or a tenured Associate/Full Professor position in applied AI, data mining, intelligent systems, security analytics, or health informatics. The position will be jointly appointed with the Department of Software and Information Systems (SIS) and the School of Data Science (SDS).

Applicants must have a Ph.D. in Computer Science, Information Technology, Informatics, or a related field, as well as a strong commitment to research and teaching. Applicants should have demonstrated achievement in original research and scholarship, demonstrated commitment to quality teaching with prior experience at the undergraduate and graduate levels, as well as demonstrated ability to contribute to diversity initiatives.

Applications must be submitted online at *https://jobs.uncc.edu/*. The application package should include: 1) Cover Letter / Letter of Interest, 2) Curriculum Vitae, 3) Contact information for three references, 4) Research Statement, 5) Teaching Statement, and 6) Copies of three representative scholarly publications. For more details and to apply, visit

*https://jobs.uncc.edu/* (Position Number: 001851) or contact Dr. Xi (Sunshine) Niu at *xniu2@uncc.edu*.

Review of applications will begin on 12/15/2020 and continue until the position is filled.

EOE

## Universidad del Rosario in Bogotá

*Full-time Faculty Positions in Energy Systems Engineering, Industrial Engineering, Electrical Engineering, Applied Mathematics and Computer Science*

The School of Engineering, Science and Technology at Universidad del Rosario in Bogotá – Colombia – is opening multiple Assistant Professor positions. Successful candidates should hold a Ph.D. degree in Engineering, Applied Mathematics, Computer Science, or related fields, have teaching experience, and conduct research in one or more of the following fields or related areas:

- Renewable energy
- Energy markets
- Energy resources management
- Energy systems planning and operation
- Smart cities
- Logistics
- Digital transformation
- Decision Sciences and finance
- Organizational transformation
- Industry 4.0
- Service industry
- Robotics
- Embedded and Cyber-physical systems
- Communication networks
- Internet of Things
- Computational Geometry
- Computer Graphics
- Information Security
- Cyber Security
- Systems
- Software (enterprise, web, mobile) development
- Data Science
- Artificial Intelligence
- Machine Learning
- Data Analytics
- Probability, Statistics and Stochastic Processes
- Actuarial Sciences

Other related areas will be considered. We are looking for candidates for candidates with a strong international background and experience in research as well as teaching at the undergraduate and graduate levels.

Further information can be found at: *https://bit.ly/33eSg4S*

Inquiries can be sent to *ict@urosario.edu.co*.

Expected starting dates are July 2021 and January 2022, depending on the applicant's availability. Applications are due by Feb 28th, 2021.

## University at Buffalo

*Professor of Empire Innovation*

The Department of Computer Science and Engineering (CSE) at University at Buffalo (UB) invites candidates to apply for a position as Associate Professor or Full Professor to be known as Professor of Empire Innovation. Selected candidates will receive support through the SUNY Empire Innovation Program (EIP) which recognizes high caliber faculty with a proven track record of externally funded research.

We invite prominent leaders in several foundational areas in artificial intelligence and robotic systems, including computer vision (including video analysis and 3D reconstruction), machine learning (including big data analytics and adversarial machine learning), natural language processing (audio-visual multimodal understanding), autonomous systems (such as driverless cars), human-robot collaboration (focusing on attack modeling, privacy preservation, and safety guarantees), knowledge representation and reasoning, and cognitive science (computational linguistics, philosophy, and computer modeling of neural networks and brains).

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. We are particularly looking for candidates who can operate effectively in a diverse community of student and faculty and

share our vision of helping all constituents reach their full potential.

The Department of Computer Science and Engineering (CSE) offers BS degrees in computer science (accredited by the Computing Accreditation Commission of ABET, *https://www.abet.org*), and in computer engineering (accredited by the Engineering Accreditation Commission of ABET, *https://www.abet.org*), a combined 5-year BS-MS program, a minor in computer science, a Certificate in Data-Intensive Computing, and several joint programs (BS in Computer Science/MBA, BS in Computational Physics, BA in Social Sciences Interdisciplinary – Cognitive Science Concentration, BS in Bioinformatics and Computational Biology – CSE concentration) as well as MS and PhD programs in Computer Science & Engineering.

The University at Buffalo (UB), a member of the prestigious American Association of Universities, is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 22,000 undergraduates and 10,000 graduate students and 1600 fulltime faculty. The School of Engineering and Applied Sciences has 7,300 students enrolled across 9 academic departments.

Candidates must hold a doctorate in computer science, computer engineering or a closely related field Candidates must demonstrate excellence in research, teaching, service and mentoring. Candidates should be internationally recognized scholars as evidenced by peer-reviewed publications, citations and a sustained externally funded research program.

Please apply online at:

*https://www.ubjobs.buffalo.edu/hr/postings/26720*

## University of Arizona

***Lecturers, Senior Lecturers, and/or Principal Lecturers in Computer Science***

The Department of Computer Science at the University of Arizona is accepting applications from dedicated educators for non-tenure-eligible, Lecturer-Track (also known as Career-Track) faculty positions at all ranks. Teaching faculty are vital 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, based on their interests and department needs, and actively participate in departmental faculty meetings, decision-making, planning, and service.

Career-Track faculty positions offer a well-defined promotion path. Applicants must have earned, or expect to complete, either an M.S. or a Ph.D. in Computer Science or a closely-related discipline by the time of appointment. Applicants 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 2020, the Department of Computer Science has 30 faculty members, including eight Career-Track faculty (five Lecturers, two Senior Lecturers and one Principal Lecturer). The Department has a long history of excellent undergraduate and graduate instruction and research accomplishment with a diverse and enthusiastic student body.

The University of Arizona's main campus 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*.

To apply, complete an online application at the UA Human Resources website, talent.arizona.edu. The direct link is *arizona.csod.com/ux/ats/careersite/4/home/requisition/3208*. Be sure to include, as directed, (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names and contact information of at least three professional references.

The University of Arizona is an Equal Opportunity Employer Minorities/Women/Vets/Disabled.

Review of applications will begin immediately and will continue until the positions are filled. Please email *lecturersearch@cs.arizona.edu* if you have any questions or need assistance.

## University of Arizona

*Tenure-Track Positions in Computer Science*

The Department of Computer Science at the University of Arizona invites applications for tenure-track positions at the Assistant Professor level. We are particularly interested in applicants with a background in **Systems, Databases, Natural Language Processing, Deep Learning, Software Engineering, Human Computer Interaction, and Algorithms.** 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, machine learning, natural language processing, networks, operating systems, security, vision, and visualization.

Further details and application information are available at *https://arizona.csod.com/ux/ats/careersite/4/home/requisition/3209?c=arizona.*

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


### Assistant Professor, Quantum Computing and Information Science

#### Electrical Engineering and Computer Sciences

The University of California, Berkeley invites applications for an approved tenure-track position in Electrical Engineering and Computer Sciences at the Assistant Professor level in the specialized area of Quantum Computing and Information Science (QCIS). The expected start date for the position is July 1, 2021. Joint appointments with department-affiliated institutes and initiatives, or other UC Berkeley departments, will also be considered.

For more information about the position, including required qualifications and application materials, please go to: **https://apptrkr.com/2050041**.

The deadline to apply is January 4, 2021. For questions, please contact the Search Committee Chair at eecs-faculty-recruiting@eecs.berkeley.edu.

*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 Berkeley is an AA/EEO employer.*


### Assistant Teaching Professor Electrical Engineering and Computer Sciences

The University of California, Berkeley invites applications for an approved teaching-track position in Electrical Engineering and Computer Sciences at the Assistant Teaching Professor level. The appointment is formally titled as Lecturer with Potential for Security of Employment or LPSOE. The expected start date for the position is July 1, 2021.

For more information about the position, including required qualifications and application materials, please go to: **https://apptrkr.com/2081246**.

The deadline to apply is January 4, 2021. For questions, please contact the Search Committee Chair at eecs-faculty-recruiting@eecs.berkeley.edu.

*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 Berkeley is an AA/EEO employer.*

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.

## University of California, Davis

*Tenure-track Assistant Professor level position in computational neuroscience*

The University of California, Davis invites applications for a tenure-track Assistant Professor level position in computational neuroscience. To ensure full consideration, completed applications should be received by December 15, 2020.

Applicants should submit a cover letter, curriculum vitae, statements of research and teaching interests, representative reprints and/or preprints, a statement of contributions to diversity, and at least three letters of recommendation electronically at: *https://recruit.ucdavis.edu/JPF03864*.

Please review the required qualifications and application process details in the UC Davis RECRUIT system posting.

## University of Central Arkansas

*Assistant Professor of Cybersecurity*

The Department of Computer Science at the University of Central Arkansas is seeking candidates for a tenure-track Assistant Professor in Cybersecurity beginning in August 2021. Currently, the department has 15 full-time faculty and offers BS programs in Computer Science (accredited by the 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 candidates nearing completion will also be considered. Candidates specializing in applications of Artificial Intelligence, Machine Learning, or Data Mining in Cybersecurity who can collaborate with department faculty are particularly encouraged to apply. The successful candidate will teach in our student-centered undergraduate and graduate programs as well as engage in research and professional service.

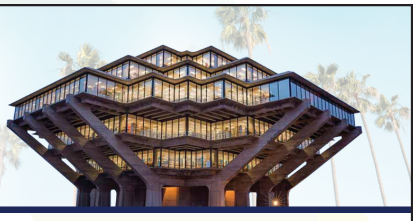
Applicants should submit a cover letter, a curriculum vitae, statements of teaching and research, and the contact information for at least three references via *https://jobs.uca.edu/postings/7159*.

Review of applications will begin on January 28, 2021, 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.

UC San Diego



## Assistant Teaching Professor

**(Lecturer with Potential Security of Employment), Halcolu Data Science Institute**

The University of California, San Diego seeks applications from outstanding candidates for the tenure-track position of Assistant Teaching Professor within the Halicioglu Data Science Institute. The Assistant Teaching Professor position (formal title "Lecturer with Potential Security of Employment") is a tenure-track faculty appointment with a strong emphasis on teaching in addition to pedagogical and/or disciplinary research.

We seek applicants who will excel at developing and teaching courses in programming languages, software development, distributed processing systems, systems and tools for AI/ML, non-structured databases, metadata models, and/or data visualization. Exceptional applicants with expertise in other areas of data science will also be considered.

Successful appointees will have a track record of excellence in teaching, research accomplishments, a commitment to university service, and a commitment to support diversity, equity, and inclusion at the university.

A PhD in Computer Science, Engineering, Math or related discipline is required at the time of appointment.

Applications must be submitted electronically through AP-Online Recruit website at

**https://apptrkr.com/2078728**

UC SANTA CRUZ

# Computer Science and Engineering: Assistant Professor in Experimental Computer Systems (open until filled, initial review 1/20/21)

The https://www.soe.ucsc.edu/departments/computer-science-and-engineering at the University of California, Santa Cruz (UCSC) invites applications for up to two positions at the Assistant Professor level. We seek candidates with a strong background in computer science and engineering, focusing on experimental computer systems, including but not limited to operating systems, distributed systems, storage systems, cloud computing systems, mobile systems, and database systems. We are especially interested in candidates who can collaborate within the department and across the university.

The Department of Computer Science and Engineering is part of the Baskin School of Engineering at UC Santa Cruz. UC Santa Cruz is a member of the AAU, an association of the top research universities in the US. 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, vision, VLSI, and networking. The Baskin School of Engineering is home to six departments, contributing to the richness of its research. Nestled in a redwood forest above the city of Santa Cruz, our beautiful campus has a long history of embracing groundbreaking interdisciplinary work. Our campus is the nearest University of California campus to Silicon Valley and has close research ties with the local computer industry. 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 various social and cultural backgrounds, genders, and sexual orientations.

We welcome candidates who understand the barriers facing traditionally underrepresented groups in higher education, and who have engaged in teaching, research, professional and/or public service contributions that promote diversity, equity, and inclusion. These can take a variety of forms such as, but not limited to, effective pedagogical strategies used for the educational advancement of students in underrepresented groups; demonstrated contributions to the advancement of access and equal opportunity in education; and participation in activities that support the recruitment, retention, and success of scholars and students.

**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 a relevant field; a demonstrated record of research. It is expected that the degree requirements will be completed by June 30, 2022.

**POSITION AVAILABLE**
July 1, 2021, with the academic year beginning in September 2021. All Ph.D. requirements must be completed by June 30, 2022, for employment beyond that date. Positions contingent on budgetary approval.

**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/2083802**
Please refer to Position # JPF00972-21 in all correspondence.

**Reference Requirement**
Applications must include confidential letters of recommendation* (a minimum of 3 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 20, 2021. 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) 459-2686.

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). The university sponsors employment-based visas for nonresidents who are offered academic appointments at UC Santa Cruz (see https://apo.ucsc.edu/policy/capm/102.530.html).

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact Disability Management Services at mailto:roberts@ucsc.edu (831) 459-4602.

UCSC 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 https://www.hercjobs.org/regions/higher-ed-careers-northern-california/ to search for open positions within a commutable distance of our institution.

The University of California offers a competitive benefits package and a number of programs to support employee work/life balance. For information about employee benefits please visit https://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html

VISIT THE UCSC WEB SITE AT https://www.ucsc.edu

**UCSC is an EEO/AA/Vet/Disability/Minority Employer.**

UC SANTA CRUZ

## Computer Science and Engineering: Assistant Professors in Theoretical Computer Science (open until filled, initial review 1/12/21)

The https://www.soe.ucsc.edu/departments/computer-science-%0Aand-engineering at the University of California, Santa Cruz (UCSC) invites applications for two positions at the assistant level. We seek candidates with a strong background in Computer Science and Engineering, with a focus on Theoretical Computer Science. We are especially interested in candidates working in mathematical foundations of computing, analysis of algorithms, combinatorial optimization, and theoretical machine learning. We welcome researchers who apply theoretical and mathematical methods to various applied domains.

The Department of Computer Science and Engineering is part of the Baskin School of Engineering at UC Santa Cruz. UC Santa Cruz is a member of the AAU, an association of the top research universities in the US. 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 campus is the nearest University of California campus to Silicon Valley and has close research ties with the local computer industry. 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.

We welcome candidates who understand the barriers facing traditionally underrepresented groups in higher education, and who have engaged in teaching, research, professional and/or public service contributions that promote diversity, equity, and inclusion. These can take a variety of forms such as, but not limited to, effective pedagogical strategies used for the educational advancement of students in underrepresented groups; demonstrated contributions to the advancement of access and equal opportunity in education; and participation in activities that support the recruitment, retention, and success of scholars and students.

**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 a relevant field; a demonstrated record of research. It is expected that the degree requirements will be completed by June 30, 2022.

**POSITION AVAILABLE**
July 1, 2021, with the academic year beginning in September 2021. All PhD requirements must be completed by June 30, 2022, for employment beyond that date. Position contingent on budgetary approval.

**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/2077416**
Please refer to Position # JPF00962-21 in all correspondence.

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 12, 2021. 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) 459-2686.

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). The university sponsors employment-based visas for nonresidents who are offered academic appointments at UC Santa Cruz (see https://apo.ucsc.edu/policy/capm/102.530.html).

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact Disability Management Services at mailto:roberts@ucsc.edu (831) 459-4602.

UCSC 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 https://www.hercjobs.org/regions/higher-ed-careers-northern-california/ to search for open positions within a commutable distance of our institution.

The University of California offers a competitive benefits package and a number of programs to support employee work/life balance. For information about employee benefits please visit https://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html

VISIT THE UCSC WEB SITE AT https://www.ucsc.edu

**UCSC is an EEO/AA/Vet/Disability/Minority Employer.**

UC SANTA CRUZ

# Computer Science and Engineering: Assistant Professors in Applied Machine Learning (open until filled, initial review 1/12/21)

The https://www.soe.ucsc.edu/departments/computer-science-%0Aand-engineering at the University of California, Santa Cruz (UCSC) invites applications for two positions, at the Assistant level. We seek candidates with a strong background in computer science and engineering, with a focus on applied machine learning and artificial intelligence. We are especially interested in candidates who can collaborate within the department and across the university.

The Department of Computer Science and Engineering is part of the Baskin School of Engineering at UC Santa Cruz. UC Santa Cruz is a member of the AAU, an association of the top research universities in the US. 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 campus is the nearest University of California campus to Silicon Valley and has close research ties with the local computer industry. 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.

We welcome candidates who understand the barriers facing traditionally underrepresented groups in higher education, and who have engaged in teaching, research, professional and/or public service contributions that promote diversity, equity, and inclusion. These can take a variety of forms such as, but not limited to, effective pedagogical strategies used for the educational advancement of students in underrepresented groups; demonstrated contributions to the advancement of access and equal opportunity in education; and participation in activities that support the recruitment, retention, and success of scholars and students.

**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 a relevant field; a demonstrated record of research. It is expected that the degree requirements will be completed by June 30, 2022.

**POSITION AVAILABLE**
July 1, 2021, with the academic year beginning in September 2021. All PhD requirements must be completed by June 30, 2022, for employment beyond that date. Position contingent on budgetary approval.

**APPLICATION REQUIREMENTS**
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APPLY AT **https://apptrkr.com/2077381**
Please refer to Position # JPF00961-21 in all correspondence.
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.

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If you need accommodation due to a disability, please contact Disability Management Services at mailto:roberts@ucsc.edu (831) 459-4602.

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VISIT THE UCSC WEB SITE AT https://www.ucsc.edu

**UCSC is an EEO/AA/Vet/Disability/Minority Employer.**


## Multiple Open Rank Faculty Position in Computer Science

**Description**

The Computer Science Department of the Samueli School of Engineering and Applied Science at the University of California, Los Angeles, is building upon its commitment to foster an inclusive and more equitable environment and promote the success of underrepresented students, the UCLA Henry Samueli School of Engineering and Applied Science invites applications for multiple open rank tenure-track faculty positions in Computer Science.

Applicants for the positions must have a demonstrated record of excellence in, or show exceptional promise for, high-quality research, teaching and professional development. In addition, applicants must have a demonstrated record of interest in and commitment to the mentorship of students from underrepresented and underserved populations. The successful candidate will be expected to advance their active mentoring activities and participate in programs that provide research and professional development opportunities for our diverse student body (such as our Center for Excellence in Engineering and Diversity, our Women in Engineering program, the National Society for Black Engineers, Society of Latino Engineers and Scientists, American Indian Science and Engineering Society, and Pilipinos in Engineering and Sciences, and the UCLA Pacific Islander Education and Retention program). Teaching and service expectations will not exceed those of other faculty positions. Applications for appointments at all levels will be considered (Assistant, Associate or Full Professor).

**Qualifications**

Applicants must have an earned Ph.D. in a field related to one of the above departments, and expertise in one or more of the school's focus areas is desirable: engineering in medicine and biology; sustainable and resilient urban systems; artificial intelligence and machine learning; cryptography, cybersecurity and networking; advanced materials and manufacturing; and robotics and cyber-physical systems. However, talented applicants in other areas will also be considered. Applicants must exhibit promise in developing and maintaining an extramurally supported research program, publishing and disseminating research findings, and serving as leaders at the forefront of their fields.

**Compensation/Benefits**

Salary is commensurate with education and experience

**How To Apply:**

Application packages should be submitted online through **https://apptrkr.com/2044202** and include the following documents: 1) curriculum vitae, 2) statement of contributions to equity, diversity, and inclusion with particular attention to mentoring achievements and future mentoring goals, 3) statement of research interest, 4) statement of teaching interest, and 5) a cover letter. Review of applications will begin on November 1, 2020 and continue until the positions are 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. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination and Affirmative Action Policy at: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct*

## University of Central Florida (UCF)

*Department of Electrical & Computer Engineering (ECE)*

*Assistant Professor and Visiting Assistant Professor*

The Department of Electrical and Computer Engineering at the University of Central Florida seeks exceptional candidates for two faculty openings in the area of Computer Engineering. The first opening is at the rank of Assistant Professor (tenure-track). The second opening is for a Visiting Assistant Professor position. All emerging and traditional areas of Computer Engineering (CpE) are considered. Of special interests are candidates in the following areas: 1) AI and Big Data Computational Systems; 2) Computer Architecture; 3) IoT, Cloud and Cyber-physical Systems; and 4) Secure Computing Systems. Visiting Professors will be expected to teach in fundamental CpE areas such as Computer Organization/Architecture, Computer Networks, and Embedded Systems.

All applicants must have a Ph.D. in an area appropriate to the ECE disciplines by the start of the appointment and a strong commitment to academic activities, including teaching, scholarly publications and sponsored research. Successful candidates will have an exceptional record of scholarly research.

ECE has strong educational programs, with over 400 graduate students and 1,200 undergraduates, and state-of-the-art facilities, the L3Harris Engineering Center and Interdisciplinary Research 1 Building. The department has highly competitive research programs funded by ARO, DARPA, Department of Defense, Department of Energy, L3Harris, Intel, Lockheed Martin, National Science Foundation, NASA, Siemens, Texas Instruments and local high-tech start-ups.

UCF offers a competitive salary and start-up package as well as generous benefits. New faculty members will have graduate student support and significantly reduced teaching loads during their first two years of tenure-track employment.

Located in Orlando, UCF and ECE are at the center of Florida High Tech Corridor with an excellent industrial base in telecommunications, energy, computer systems, semiconductors, defense, space, laser, simulation, software and the world-renowned entertainment/theme park industry. Exceptional weather, easy access to the seashore, one of the largest convention centers in the nation and an international airport ranked among the world's best are just a few features that make the UCF/Orlando area ideal.

UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

Please send any inquiries to *ECE-FacultySearch@cecs.ucf.edu*. To submit your application, utilize the links below:

Assistant Professor: *http://jobs.ucf.edu/cw/en-us/job/499576?lApplicationSubSourceID=*

Visiting Assistant Professor: *http://jobs.ucf.edu/cw/en-us/job/499577?lApplicationSubSourceID=*

## University of Chicago

*Masters Program in Computer Science: Full-time Teaching Positions in Databases*

The Masters Program in Computer Science (MPCS) in the Department of Computer Science at the University of Chicago invites applications for all ranks of the Clinical appointment (Assistant Clinical Professor of Computer Science, Associate Clinical Professor of Computer Science, and Clinical Professor of Computer Science) in the field of Databases. These positions will teach Databases classes in the Masters Program in Computer Science (MPCS) and in its joint program with the Harris School of Public Policy, the Master of Science in Computational Analysis & Public Policy (CAPP).

These full-time, benefit-eligible appointments are for an initial three-year term, with possibility of renewal. These are teaching positions with no research responsibilities, and a teaching load of six courses across three academic quarters of the year (Autumn, Winter, Spring).

The person holding these positions will teach at least two different courses: MPCS 53001 Databases and CAPP 30235 Databases for Public Policy. Syllabuses for the latest offerings of these classes can be found at *https://mpcs-courses.cs.uchicago.edu/2019-20/spring/courses/53001* and *https://www.classes.cs.uchicago.edu/archive/2019/spring/30235-1/syllabus.html*. Depending on the applicant's background and interests, the person holding this position may also be asked to teach classes covering advanced topics in Databases.

For each clinical position/rank, a PhD in Computer Science or a related field at the time of appointment, or 10 years of relevant industry experience is required. Work experience in a computing-related industry is preferred. In addition each rank requires the following requirements:

**For the Assistant Clinical Professor of Computer Science position** we require teaching experience in Computer Science or a related field at the undergraduate or graduate level, as either an instructor of record or a teaching assistant.

**For the Associate Clinical Professor of Computer Science position,** 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 Clinical Professor of Computer Science position**, 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 10 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 Interfolio website:**

**Assistant Clinical Professor:** *https://apply.interfolio.com/77082*

**Associate Clinical Professor:** *https://apply.interfolio.com/77083*

**Clinical Professor:** *https://apply.interfolio.com/77086*

We seek a diverse pool of applicants who wish to join an academic community that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at *https://provost.uchicago.edu/statements-diversity*.

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, 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 recently-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:

Assistant Professor: *http://apply.interfolio.com/79574*

Associate Professor: *http://apply.interfolio.com/79575*

Professor: *http://apply.interfolio.com/79576*

Review of applications will begin on November 15, 2020 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 following materials are optional:

- up to three sample publications

*We seek a diverse pool of applicants who wish to join an academic community that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at* ***https://provost.uchicago.edu/statements-diversity****.*

*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.*

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## 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/79577***

Associate Professor:
***http://apply.interfolio.com/79578***

Professor:
***http://apply.interfolio.com/79579***

Review of applications will begin on November 15, 2020 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 following materials are optional:

- up to three sample publications

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## University of Chicago

*Senior Instructional Professor*

### Description

The Division of Social Sciences at the University of Chicago invites applicants for a position on the Senior Instructional Professor track (Senior Assistant Instructional Professor, Senior Associate Instructional Professor, or Senior Instructional Professor, depending on the candidate's experience and qualifications), for appointment in the Master of Arts Computational Social Science (MACSS) and the College. This is a full-time, career-track teaching position beginning July 1, 2021. The initial five-year appointment is renewable with opportunity for promotion. The appointee will teach four courses per year that contribute to the MACSS curriculum, plus one non-credit workshop in computational social science. This is a leadership position and the appointee will also hold the title of Associate Director in MACSS. In addition to teaching, the appointee will, in consultation with the Faculty Director of MACSS: provide leadership in vision, planning, and promotion of MACSS within and beyond the University; develop, implement, and oversee curricular and co-curricular programs including developing new curricular offerings and co-curricular programs to advance student learning; directly supervise and evaluate other teaching personnel, including Instructional Professors, Teaching Fellows, and preceptors in MACSS; and develop, oversee, and mentor research opportunities for graduate students. During the term of appointment, the Senior Lecturer will also have the opportunity to teach one or two courses as part of the Summer Institute in Social Research Methods (Computing for the Social Sciences, Data Mining and Data Visualization, or equivalent courses).

### Qualifications

Candidates must have the PhD in hand prior to the start date, a demonstrated record as a degreed professional designing and teaching courses to undergraduate and graduate students at a selective research university, demonstrated experience in research and practice related to Computational Social Science, and proven experience successfully managing a program and supervising academic personnel.

### Application Instructions

Applicants are required to apply online through the University of Chicago's Interfolio website at *apply.interfolio.com/79999*. Applicants are required to upload the following materials: (1) cover letter; (2) curriculum vitae (3) syllabi for two proposed courses; (4) a writing sample/publication; and (5) the names and contact information for three references. References will only be contacted for shortlisted candidates. Review of applications will begin December 1 and will continue until the position is filled.

### Equal Employment Opportunity Statement

We seek a diverse pool of applicants who wish to join an academic community

that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at *https://provost.uchicago.edu/statements-diversity*.

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## University of Connecticut

*Assistant or Associate Professor*

The Computer Science & Engineering (CSE) Department at the University of Connecticut invites applications for two tenure-track/tenured faculty position(s) at the Assistant or Associate Professor level in any area of Computer Science and Engineering. The positions have an expected start date of August 23, 2021. These positions seek to advance research and education in the vast field of computing within the CSE department and the University. Candidates with a strong background in Innovation and Entrepreneurship will be considered for all ranks and in all Computer Science and Engineering related fields.

Please apply online to Academic Jobs Online *https://academicjobsonline.org/ajo/jobs/17538*

## University of Copenhagen

*Department of Computer Science*
*Faculty of Science*

**The position is open from 1 April 2021 or as soon as possible thereafter.**

We are looking for outstanding junior researchers with an innovative mind-set and intellectual curiosity to strengthen and complement the research profile of the Algorithms and Complexity Section at DIKU. This is one of the leading research groups in theoretical computer science in Europe, with a strong presence at top-tier conferences like STOC, FOCS, and SODA, and also with publications in premier AI conferences like AAAI, IJCAI, and NeurIPS. We are part of an exciting environment including the Basic Algorithms Research Copenhagen (BARC) centre (*https://barc.ku.dk/*), joint with the IT University of Copenhagen, and have extensive collaborations with the Technical University of Denmark (DTU) and Lund University on the Swedish side of the Øresund Bridge, as well as with our many visitors. We aim 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 algorithms and complexity theory, but we also have a track record of start-ups and 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 *https://employment.ku.dk/faculty/?show=153103*

Only electronic applications are accepted.

## University of Copenhagen

*Department of Computer Science*
*Faculty of Science*

**The position is open from 1 August 2021 or as soon as possible thereafter.**

We are looking for an outstanding junior researcher with an innovative mind-set and intellectual curiosity to strengthen and complement the research profile of the Algorithms and Complexity Section at DIKU. This is part of an exciting environment including the Basic Algorithms Research Copenhagen (BARC) centre, joint with the IT University of Copenhagen, and involving extensive collaborations with the Technical University of Denmark (DTU) and Lund University on the Swedish side of the Oresund Bridge. We aim 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 algorithms and complexity theory, but we also have a track record of start-ups and surprising algorithmic discoveries leading to major industrial applications.

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Please find the full job advertisement at *http://employment.ku.dk/*.

Only electronic applications are accepted.

## University of Copenhagen

*Postdoctoral position in Combinatorial Optimization*

The Department of Computer Science (DIKU) at the University of Copenhagen invites applications for postdoctoral positions in combinatorial optimization. The postdocs will be working in the Mathematical Insights into Algorithms for Optimization (MIAO) group headed by Jakob Nordström, which is doing research on theoretical analysis of and applied algorithm development for combinatorial optimization paradigms such as SAT solving, pseudo-Boolean optimization, constraint programming, and integer linear programming.

MIAO belongs to the Algorithms and Complexity Section at DIKU, one of the leading groups in theoretical computer science in Europe, which is part of an exciting environment including the Basic Algorithms Research Copenhagen (BARC) centre (*https://barc.ku.dk/*), joint with the IT University of Copenhagen, and extensive collaborations with the Technical University of Denmark (DTU) and Lund University on the Swedish side of the Øresund Bridge, as well as with our many visitors.

We aim 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 algorithms and complexity theory, but we also have a track record of start-ups and surprising algorithmic discoveries leading to major industrial applications.

**More information can be found here** *https://candidate.hr-manager.net/ApplicationInit.aspx?cid=1307&ProjectId=153126&DepartmentId=18970&MediaId=4638*

**The application deadline is January 24, 2021.**

## University Of Delaware

*Department Of Computer and Information Sciences*

*Chair*

The University of Delaware (UD) seeks candidates who are highly accomplished and visionary leaders for the position of Chair of the Department of Computer and Information Sciences. The Department has active undergraduate and graduate programs and a diverse, vibrant research and teaching portfolio led by 33 faculty and instructors. In addition to leading the Department, the new Chair will have ample opportunities to engage with many university initiatives, including the Fintech Initiative, Data Science Institute, Cybersecurity Initiative, Delaware Biotechnology Institute, Center for Bioinformatics & Computational Biology, and Institute for Financial Services Analytics.

The Department is one of seven in the College of Engineering, the College with the most active research programs at the University of Delaware. UD is a Land Grant, Sea Grant and Space Grant institution classified by the Carnegie Foundation for the Advancement of Teaching as having very high research activity. The picturesque campus is located between Washington D.C. and New York City, in proximity to both Philadelphia and Baltimore. The University enrolls approximately 19,000 undergraduates and 4,000 graduate students and plans for significant new faculty hires and growth in graduate programs and enrollment. With over 25% women faculty, the Computer and Information Sciences department is noted for its commitment to diversity, collegiality, and academic excellence. As a recipient of an NSF ADVANCE award, UD is dedicated to broadening participation in higher education and supports work-life balance through an array of family friendly policies, including dual career.

### Applicant Instructions

Applicants should submit PDF files, including a complete CV and a statement

of interest, with emphasis, where possible, on visionary leadership, research, education, and administrative experience, at *https://careers.udel.edu/cw/enus/job/496199*. Questions may be addressed to the search committee co-chairs, Professor Cathy Wu at *wuc@udel.edu* and Professor Norman Wagner, at *wagnernj@udel.edu*.

Review of applications will begin on January 3, 2021, and will continue on a rolling basis until the position is filled. All possible discretion will be exercised to maintain the privacy of applicants through the search process. Final interviews may include limited in-person interviews.

**Equal Employment Opportunity**

The University of Delaware (UD) is an equal opportunity/affirmative action employer and Title IX institution. UD 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 this is a primary goal for our department. We provide 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. For the University's complete non-discrimination statement, please visit *www.udel.edu/aboutus/legalnotices.html*. The University of Delaware is an Equal Opportunity Employer which encourages applications from Minority Group Members, Women, Individuals with Disabilities and Veterans. The University's Notice of Non-Discrimination can be seen at: *www.udel.edu/aboutus/legalnotices.html*

## University of Georgia

*Postdoc Research Associate on IoT/CPS Time-Series Data Analytics*

The University of Georgia is searching for a Post-Doctoral Research Associate on IoT Time-series Data Analytics research.

**Please find details at *https://www.ugajobsearch.com/postings/174633* or email *wsong@uga.edu* to apply.**

## University of Georgia

*Postdoctoral Research Associate*

**Use machine learning to model spatiotemporal dynamics of cilia and identify abnormalities.**

We are looking to hire one postdoctoral researcher with a background in statistical machine learning, computer vision, and/or biomedical imaging. Strong skills in computer programming, statistics, and linear algebra are essential. Researchers with experience in bioinformatics, cellular biology, infectious diseases, or other computational biology backgrounds are encouraged to apply. Individuals from traditionally underrepresented groups in STEM are likewise especially encouraged to apply.

Join Prof. Shannon Quinn and his interdisciplinary research group at the University of Georgia and help develop spatiotemporal models of ciliary motion in order to detect and ultimately help diagnose ciliopathies in humans. Cilia are microscopic hairlike structures that line the exteriors of cells in the throat, nose, lungs, kidneys, and brain. In humans, they beat in rhythmic patterns to clear particulates and pathogens, and when their regular motion is perturbed, numerous multi-organ pathologies result. While no objective method for identifying these perturbations exists, we have developed a proof of concept drawing from dynamic textures in machine vision.

The three main efforts of the project are: (1) deriving a robust segmentation procedure to automatically identify regions of cilia in videos, (2) building a spatiotemporal model of ciliary motion dynamics to recognize type and extent of motion perturbations, and (3) deploying these algorithms in an open source web framework, CiliaWeb, for use by clinicians and domain researchers that incorporates feedback mechanisms into the model predictions.

Preferred candidates should also be proficient in Python and at least one of the many popular deep learning libraries (e.g., PyTorch, TensorFlow, Keras), familiar with the git versioning system, and willing to conduct their research according to the principles of Open Science: reproducibility, benchmarking, pre-registration, pre-publication, and open licensing. Successful candidates are also expected to be team players who can fill a leadership role in executing a research agenda, and lead by example as a mentor for predoctoral and undergraduate student researchers.

There is one position available. This is a one-year term appointment with the possibility of extension contingent upon continued funding and successful performance.

Interested candidates should submit a cover letter and curriculum vitae to this UGA Jobs posting: *https://www.ugajobsearch.com/postings/166659*

## University of Hong Kong

*Tenure-Track Faculty Position - several posts*

Applications are invited for Associate Professor / Assistant Professor, full-time positions tenable from 1 July 2021. Applicants should have a Ph.D. degree in Computer Science, Computer Engineering, or a related field, with a strong commitment to research and teaching. A solid track record in research is essential. The position is open to all research areas in Computer Science, with preference given to candidates in the field of Financial Technology (including but not limited to InsurTech, WeatlhTech and Financial Intelligence), Blockchain in Engineering, System Research (particularly related to IoT / AIoT), and Quantum Computing.

More information can be found at: *https://jobs.hku.hk/cw/en/job/502723/tenuretrack-associate-professorassistant-professor-several-posts*

## University of Illinois at Urbana-Champaign

*School Of Information Sciences*
*Open Rank Faculty Position*

The School of Information Sciences (iSchool) seeks to hire multiple outstanding full-time tenure-stream faculty members (rank open) to join our dynamic and collegial School. The full job announcement can be found at *https://ischool.illinois.edu/our-school/job-openings*.

Please complete your candidate profile at *https://jobs.illinois.edu/* and upload your letter of application including the area(s) of interest for which you are applying, complete CV/resume, statement on teaching and research, and a list of three professional references including contact information. Full consideration is guaranteed for all applications received by December 15, 2020, but we strongly encourage candidates to apply after this date. Interviews may take place and offers may be made before the search is closed. Applications will continue to be reviewed until qualified candidates have been identified for all openings. For questions or further information, please e-mail *ischool@illinois.edu*.

The U of I is an EEO Employer/Vet/Disabled *http://go.illinois.edu/EEO* that participates in the federal *e-Verify* program and participates in a background check program focused on *prior criminal* or *sexual misconduct history*.

## University of Kansas

*Assistant Professor*

The University of Kansas (KU) Department of Electrical Engineering and Computer Science (EECS) seeks individuals for three tenure-track positions: two positions in computer science at the rank of Assistant Professor of EECS; and one joint position in radar signal processing at the rank of Assistant Professor of EECS (tenure-track)/Assistant Scientist affiliated with the Information and Telecommunications Technology Center (ITTC). 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.

We have 2 positions in Computer Science in the following areas open at the assistant professor (tenure-track) level, with experience in: Applicants focusing in the following areas are encouraged to apply: (i) machine learning; (ii) distributed and parallel computing; (iii) high-performance computing; and (iv) software engineering. Exceptional applicants in other areas may be considered. Applicants pursuing research in areas that are synergistic with one or more existing departmental strengths in security and

assurance, communication systems and networking, radar and remote sensing, embedded systems, scientific/parallel computing, and signal processing are preferred. Apply online for these positions at *http://www.employment.ku.edu/academic/18207BR*.

Radar Signal Processing (one position)—Applicants with experience in radar signal processing are encouraged to apply; including but not limited to, adaptive signal processing for radar and sensor systems; synthetic aperture signal processing (SAR/ISAR/InSAR); moving target indication (GMTI/AMTI/DMTI); automatic target recognition; waveform diversity; multi-channel/MIMO sensing; tracking & fusion, clutter/interference cancellation (e.g. STAP); radar spectrum engineering & sharing; complex waveforms; cognitive sensing; electronic protection/support; and/or multi-function systems. Applicants with demonstrated experience working ITAR/export controlled and/or classified research for the US government are preferred. Apply for this position online at *http://www.employment.ku.edu/academic/18203BR*.

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. In Spring 2019, KU SoE was one of only 29 universities to achieve the exemplar, inaugural ASEE Diversity Recognition Bronze Award *https://diversityrecognition.asee.org/recognized- institutions/* In a continuing effort to enrich its academic environment and provide equal educational and employment opportunities, the university actively encourages applications from members of underrepresented groups in higher education.

Applications should be submitted online at *https://employment.ku.edu/academic-jobs*. Applications should include a letter of application; curriculum vita; a statement of research interests and plans; a statement of teaching interests and plans; a diversity statement, typically on the order of two pages, outlining contributions and/or plans to contribute to diversity, inclusion, and equity; and contact information for three references. Application review will begin January 10, 2021 and will continue until the position is filled. The appointment will be effective as negotiated. Questions can be sent to: *EECS_Search@eecs.ku.edu*.

## University of Louisville

*Tenure-Track Assistant Professor Position*

The Department of Computer Science and Engineering (CSE) 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 CSE, an MS degree in CS, and a PhD degree in CSE. Successful candidates will be expected to teach core undergraduate CSE 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 4, 2021, 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 (#38217); (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=177341332*

## University of Manitoba Winnipeg

*Manitoba, Canada*

*Department of Computer Science Faculty of Science*

*Assistant Professor, Associate Professor or Professor in Computer Science Position # 29563*

The Department of Computer Science invites applications for a full-time tenured or tenure- track position at the Professor, Associate Professor or Assistant Professor rank, commencing July 1, 2021, or on a date mutually agreed upon. The Department seeks an emerging scholar with a commitment to excellence in teaching and research. Exceptional candidates at any level will also be considered. Outstanding candidates in any area of Computer Science will be considered, but we are particularly interested in candidates with expertise in Data Science, Computer Systems or Software Engineering. The successful candidate will have a Ph.D. and preferably post-doctoral or other distinguishing experiences in Computer Science or a related field. Duties will include undergraduate teaching, graduate teaching and supervision, research, including the continuation or establishment of an externally funded research program, and service-related activities. The successful candidate will have a track record of high quality scholarly research leading to peer assessed publications; will either have, or demonstrate the potential to establish, an independent, innovative, scholarly, externally fundable research program; will have demonstrated strength in or strong potential for outstanding teaching contributions; and will exhibit evidence of the ability to work in a collaborative environment. Salary and rank will be commensurate with experience and qualifications.

More information at: *https://viprecprod.ad.umanitoba.ca/default.aspx*.

## University of Manitoba

*Indigenous Scholar*

*Faculty of Science - Position # 29312 and 29313*

The Faculty of Science at the University of Manitoba invites applications from Indigenous (e.g., First Nations (status or non-status), Métis or Inuit) Scholars **in any field of science** for two full- time tenured or tenure-track positions at the rank of Assistant or Associate or Full Professor, commencing July 1, 2021, or on a date mutually agreed upon. Rank and salary will be dependent on qualifications and experience. Candidates who are either of Canadian Indigenous background or are Indigenous in their respective countries/territories and whose work complements and supports the education, research, and Indigenous initiatives within the Faculty of Science and at the University of Manitoba are invited to apply.

We seek an emerging or established scholar with a commitment to excellence in teaching, research and community outreach. The successful candidate will have a Ph.D. in any field of science and have demonstrated experience in, and commitment to, leadership and mentorship related to Indigenous student achievement and engagement. Relevant research, industry, or community experience or other distinguishing attributes are considered an asset. Duties will include undergraduate teaching, graduate teaching, and student research supervision; research, including the establishment of an externally funded research program; and service and community activities. The relative division of activities for the successful candidate between teaching, research, and service/community activities are flexible. Salary will be commensurate with experience and qualifications. Appointment can be in any department in the Faculty of Science or joint across multiple departments.

The Faculty of Science comprises the departments of Biological Sciences, Chemistry, Computer Science, Mathematics, Physics and Astronomy, Microbiology, and Statistics and features many additional interdisciplinary programs and activities, at both the undergraduate and graduate levels that cross departmental boundaries. The Faculty of Science 50th Anniversary Challenges for the coming decades commit us to important work in the following challenge areas: Explore Life on the Smallest Scales, Harness Microbial and Genetic Worlds, Transform Tomorrow's Devices, Make Computers our Sixth Sense, Revolutionize Science and Math Literacy for the 21st Century, Expand our Contribution to

the Innovation Ecosystem, Leverage the Origins of the Universe, Reconnect Nature's Networks, and Cultivate Remote and Rural Communities. The Faculty of Science has a deep commitment to educational excellence and a strong and active community of science educators, including the Pedagogy and Learning Science working group, and features the newly created Manitoba Institute for Science Teaching.

The Faculty of Science has launched a major new initiative, the Wawatay Program, in order to develop closer ties to Indigenous communities, dramatically grow the number of Indigenous science graduates, infuse Indigenous science approaches and perspectives into science education and strengthen mutual research. In summer of 2021, we will be hosting a major new international conference, "The 2021 North America Indigenous Science Conference".

The University is located in Winnipeg, the largest city in the province of Manitoba. The city has a rich cultural environment and the region provides exciting opportunities for outdoor exploration and recreation in all seasons. Learn more about Winnipeg at *www.winnipeg.ca*.

Manitoba's Indigenous population is young and rapidly growing. Statistics Canada census data suggest that Indigenous peoples will comprise nearly 19 per cent of Manitoba's population by 2026. The University of Manitoba's role in reconciliation, its connections with Indigenous students, partners and communities, and its commitment to Indigenous achievement are central to the kind of future the University seeks to create.

The University of Manitoba campuses are located on original lands of Anishinaabeg, Cree, Oji- Cree, Dakota, and Dene peoples, and on the homeland of the Métis Nation. Creating Pathways to Indigenous Achievement is a key priority for the University, as identified in its 2015-2020 strategic plan, Taking Our Place. Home to a vibrant Indigenous community, including 2,400 First Nations, Métis and Inuit students, the U of M has one of the largest Indigenous student populations in the country. Honoured to be chosen as host of the National Centre for Truth and Reconciliation, the U of M is dedicated to advancing Indigenous research and scholarship, and to becoming a centre of excellence for this work.

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, members of racialized communities, Indigenous persons, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Indigenous Canadian citizens and permanent residents will be given priority. Applicants must, at application, declare that he/she/they self-identifies as Indigenous (First Nations, Metis or Inuit) Canadian, or as Indigenous in their respective countries/territories.

If you require accommodation supports during the recruitment process, please contact *UM.Accommodation@umanitoba.ca* or 204-474-7195. Please note this contact information is for accommodation reasons only.

Applications, including a curriculum vitae, a two-page description of teaching philosophy, a two- page summary of research interests accessible to an interdisciplinary audience, a three-page research plan, a one-page plan for leadership and mentorship in the context of Indigenous student achievement in the department and Faculty of Science, the name and contact information (phone and e-mail) of three referees, and Indigenous self-declaration verification should be sent by email in a single pdf file to *Indigenous_Scholars.Science@umanitoba.ca*.

Priority will be given to candidates who apply before **November 30, 2020,** but the search will remain open until the position is filled.

Application materials, including letters of reference, will be handled in accordance with the Freedom of Information and Protection of Privacy Act. Please note that curricula vitae may be provided to participating members of the search process.

## University of Maryland College Park

*Assistant Professor, Associate Professor or Full Professor Department of Computer Science - Position #126013*

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, 2021. 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, Immersive Media including Computer Graphics, AR and VR, 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 on-line at ***https://ejobs.umd.edu*** in order to receive consideration. Search under Faculty for position #126013. 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, 2020. Applications are accepted until all positions are filled. Candidates will be prompted when submitting their 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, Baltimore County

*Open Rank, Tenured/Tenure-Track Faculty Position in Computer Science*

To Apply use this Link: *https://apply.interfolio.com/#80618*

**ABOUT THE POSITION:** The University of Maryland, Baltimore County (UMBC)'s Department of Computer Science and Electrical Engineering (CSEE) ( *https://www.csee.umbc.edu/* ) invites applications for an open rank, tenured/tenure-track position in Computer Science (CS) to begin in the Fall of 2021. Applicants should have or be completing a Ph.D. in a relevant discipline, have demonstrated the ability to pursue a funded research program, have a strong commitment to undergraduate and graduate teaching, and a strong commitment to diversity and inclusive excellence. Candidates will be expected to build and lead a team of student researchers, obtain external research support, and teach both graduate and undergraduate courses.

We welcome candidates in all areas of specialization in Computer Science. Some areas of interest for applicants include but are not limited to: cybersecurity; cyberphysical and IoT systems; big data and artificial intelligence, high-performance computing; quantum computing; and graphics and visualization.

**SCREENING OF APPLICANTS:** Review of application materials will begin January 15, 2021 and will continue until the position is filled.

**ABOUT UMBC:** UMBC, an honors university serving more than 11,000 undergraduates and 2,000 graduate students, is one of two public universities in Maryland to achieve the "doctoral/research university-extensive" Carnegie classification. Located just outside Baltimore and 45 minutes from Washington, DC, the campus is growing rapidly under dynamic leadership.

Our UMBC community redefines excellence in higher education through an inclusive culture that connects innovative teaching and learning, research across disciplines, and civic engagement. We will advance knowledge, economic prosperity, and social justice by welcoming and inspiring inquisitive minds from all backgrounds. The successful candidate will join a department with a strong commitment to diversity and inclusive excellence, and will be expected to contribute actively to these efforts ( *https://diversity.umbc.edu/ ).*

**EQUAL OPPORTUNITY STATEMENT:** UMBC is an Affirmative Action/Equal Opportunity Employer. Applications from women, minority group members, veterans and individuals with disabilities are encouraged to apply.

**TITLE IX:** As an institution that receives federal financial assistance, UMBC adheres to Title IX and does not discriminate on the basis of sex.

**ACCOMMODATION:** If you require a reasonable accommodation for a disability for any part of the employment process, please contact the Human Resources Department at 410-455-2337 or MD TTY Relay Service 1-800-735-2258 between 8:30 a.m. and 4:00 p.m. Monday through Friday.

## University of Massachusetts Lowell

*Research Assistant Professor*

The Research Assistant Professor will conduct research on biomedical natural language processing, machine learning and medical text processing. The role will include supervising the PI's graduate students, assisting the PI with writing papers and research proposals with the goal of impacting both the research and public communities.

**Minimum Qualifications (Required):**

**Education:**

- PhD in Computer Science, or closely related fields

**Experience:**

- Experience with biomedical entity, adverse drug event identification

**Skills:**

- Excellent writing and communication skills, a must

For more information, or to apply, please visit: *https://explorejobs.uml.edu/en-us/job/506598/research-assistant-professor*

**Special Instructions to Applicants:**

- Initial review of applications will begin immediately and continue until the position is filled. However, the position may close when an adequate number of qualified applications are received.
- Please include a CV and cover letter with your application. Names and contact information of three references will be required during the application process.

*University of Massachusetts Lowell is an equal opportunity employer.*

## University of Michigan

*Data Science (tenure-track professors)*

The School of Information at the University of Michigan (UMSI) seeks tenured or tenure-track professors at the assistant, associate, or full level in the broad field of data science. Successful candidates will contribute to the research and service missions of the school and the university, and will be expected to teach courses related to applied data science in UMSI's online and/or residential programs. We anticipate making up to two hires across the following overlapping areas of emphasis:

- Machine learning
- Causal inference from big data
- Social media analytics
- Learning analytics
- Healthcare or public health analytics
- Computational social science
- Computational humanities
- Fairness, accountability, and transparency
- Human computation

**How to Apply:**

All application materials must be submitted electronically to: ***https://apply.interfolio.com/81659***

**U-M EEO/AA Statement**

The University of Michigan is an equal opportunity/affirmative action employer.

## University of Michigan

*Computer Science & Engineering Faculty Positions*

**Computer Science and Engineering (CSE) at the University of Michigan** College of Engineering invites applications for multiple tenure-track and teaching faculty (lecturer) positions, as part of its aggressive long-term growth plan. We seek exceptional candidates in all areas across computer science and computer engineering, with special emphasis on candidates at the early stages of their careers; we also have a targeted search for an endowed professorship in theoretical computer science (the Fischer Chair). Qualifications include an outstanding academic record; an awarded or expected doctorate (or equivalent) in computer science, computer engineering, or a related area; and a strong commitment to teaching and research. We seek faculty members who commit to excellence in graduate and undergraduate education, will develop impactful, productive and novel research programs, and will contribute to the department's goal of eliminating systemic racism and sexism by embracing our culture of Diversity, Equity and Inclusion.

We encourage candidates to apply as soon as possible. Positions remain open until filled and applications can be submitted throughout the year. For more details on these positions and to apply, please visit ***https://cse.engin.umich.edu/about/faculty-hiring/.***

The University of Michigan is one of the world's leading research universities, consisting of highly ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts, with a commitment to interdisciplinary collaboration. CSE is a vibrant and innovative community, with over 70 world-class faculty members, over 300 graduate students, and a large and illustrious network of alumni. Ann Arbor is known as one of the best small cities in the nation, and the University has a strong dual-career assistance program.

Michigan Engineering's vision is to be the world's preeminent college of engineering serving the common good. This global outlook, leadership focus, and service commitment permeate our culture. Our vision is supported by our mission and values that, together, provide the framework for all that we do. Information about our vision, mission and values can be found at ***http://strategicvision.engin.umich.edu/.***

The University of Michigan has a storied legacy of commitment to Diversity, Equity and Inclusion (DEI). The Michigan Engineering component of the University's comprehensive, five-year, DEI strategic plan—with updates on our programs and resources dedicated to ensuring a welcoming, fair, and inclusive environment—can be found at: ***http://www.engin.umich.edu/college/about/diversity.***

The University of Michigan is an equal opportunity/affirmative action employer and is responsive to the needs of dual-career families.

## University of Nebraska Omaha

*Lecturer – Computer Science*

The Department of Computer Science at the University of Nebraska Omaha (UNO) invites applications for a full-time, lecturer position beginning Spring 2021. We seek a candidate with a strong professional record, previous experience in teaching at the university level, and a commitment to teaching undergraduates of diverse backgrounds. The department is looking for a candidate who can teach project-based, upper level computer science undergraduate courses including low-level programming, digital design, computer architecture, operating systems, and software engineering. The hire is expected to actively engage in K-16 educational outreach activities in the computer science, Robotics, and iSTEM areas.

The University of Nebraska is committed to diversity among faculty and staff. 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 E-Verify employer.

Candidates must hold a master's degree in Computer Science, Computer Engineering, Cybersecurity, Information Systems, and/or related areas, by the time of employment. Preference will be given to candidates who have a doctorate by the employment date.

We invite candidates to visit the college web site at *http://www.ist.unomaha.edu* for more information. To apply, please visit the UNO careers website at *https://unomaha.peopleadmin.com/postings/11964*, create your account and apply for this position. Cover letter, curriculum vita, statements of research and teaching, and list of references must be attached to the electronic application. The applications will be reviewed beginning the 16th of November. If you have any additional questions, please contact:

Dr. Mahadevan Subramaniam
Chairperson
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College of Information Science & Technology
University of Nebraska at Omaha
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Omaha NE 68182-0116
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phone: (402) 554-4984
FAX: (402) 554-3284

## University of Nebraska-Lincoln

*Assistant, Associate, Full Professor*

The Department of Computer Science and Engineering (CSE) at the University of Nebraska–Lincoln invites applications for six tenured/tenure-track faculty positions at all ranks (Assistant/Associate/Full Professor) to begin Fall 2021. A complete list of open positions may be found at *https://cse.unl.edu/facultysearch*.

We seek candidates who can establish a strong scholarly research and teaching program while complementing the Department's expertise in Internet of Things (IoT), Robotics, and wireless connectivity with a specific focus on: (i) Agricultural IoT and Robotics, (ii) Agricultural Sensing and IoT Systems, (iii) Agricultural IoT and Real-Time Power Science, (iv) Next-Generation Wireless, (v) Wireless Network Architectures, and (vi) Hardware System Security and Privacy.

Promising candidates with interests in one of these areas are strongly encouraged to apply to all of the applicable positions.

CSE is undergoing an exciting period of significant growth. The department has hired 11 tenured/tenure-track faculty in the last five years, including 5 in 2019-2020, with plans to continue expansion in the near future.

UNL is Nebraska's land-grant research university and ranks among Doctoral Universities with the Highest Research Activity [Carnegie CIHE]. The University of Nebraska-Lincoln is centered in the flourishing community of Lincoln, the third largest city in the Big Ten. More information on Lincoln can be found here: *https://www.unl.edu/lincoln/about-lincoln*, *https://placetobelnk.com/*, and *https://www.lcoc.com/meet-lincoln*.

Review of applications will begin on December 15, 2020. We will continue to

review applications until the positions have been filled. Interested applicants are encouraged to continue to apply after this deadline.

To view open positions and to apply, complete the Faculty/Administration application at *https://go.unl.edu/xh4b*. Each candidate must have prepared 1) a single-page cover letter explaining your interest in the University of Nebraska-Lincoln; 2) a curriculum vitae; 3) teaching, research and diversity statements; and 4) a list of at least three references. Please combine all statements into a single pdf document and attach as "Other Document." Applicants are strongly encouraged to review the rubrics used by our search committees to evaluate candidate statements: *https://engineering.unl.edu/candidate-statements*. After review of applications begins, those with any missing required statements may not be given full consideration. Direct questions to Search Chairs Dr. Brittany Duncan at *bduncan@cse.unl.edu* (Positions i-iii) and Professor Mehmet Can Vuran at *mcv@unl.edu* (Positions iv-vi).

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See *http://www.unl.edu/equity/notice-nondiscrimination*.

## University of New Haven

*Cybersecurity and Computer Science Positions*

The University of New Haven invites applications for tenure-track and non-tenure track positions at any rank for Cybersecurity and Computer Science position for January 2021.

For full description *click here*.

AA/EOE

## University of North Carolina at 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, 2021. 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: security, data science, computer vision, computer systems, robotics, biological computing, and augmented and/or virtual reality.

For more information, and to apply, please visit *http://unc.peopleadmin.com/postings/184895*.

## University of North Carolina at Chapel Hill

*Teaching Assistant Professor*

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for the position of Teaching Professor (Rank to be determined) to begin on or after July 1, 2021. 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/185001*.

## University of North Carolina Wilmington

*Assistant/Lecturer Position-Computer Science Department*

The Department of Computer Science at the University of North Carolina Wilmington invites applicants to apply for

1. a nine-month tenure-track position as an Assistant Professor in Computer Networks/Security,

2. a nine-month tenure-track position as an Assistant Professor in Artificial Intelligence/Machine Learning, and
3. a full-time nine-month non-tenure-track Lecturer to begin August 2021.

**The job posting closing date is January 1, 2021. Applications received after that date will not be considered.**

Applications must be submitted through the online application system to be considered. Position details and full applicant instructions can be found at *https://jobs.uncw.edu/postings/19212*, *https://jobs.uncw.edu/postings/19211*, and *https://jobs.uncw.edu/postings/19215* .

Should you have any questions for the networks/security position, please reach out to Dr. Clayton Ferner (*cferner@uncw.edu*), for questions about the AI/ML position, Dr. Sridhar Narayan (*narayans@uncw.edu*), and for the Lecturer position, Dr. Laurie Patterson (*pattersonl@uncw.edu*).

UNCW is an equal employment / affirmative action employer. The University of North Carolina Wilmington and the Department of Computer Science promote diversity and inclusivity among our students, faculty, staff, and public. Thus, we seek candidates with experience or a demonstrated willingness to participate in teaching, mentoring, research, or service activities that promote the growth of an equitable, diverse, and inclusive academic environment.

## The University of North Texas

*Department of Computer Science and Engineering*

*Clinical Assistant/Associate Professor*

The University of North Texas (UNT), a Tier 1 Research Institution (Carnegie Classification as a Doctoral University: Highest Research Activity), invites applications for three non-tenure track faculty positions in the Department of Computer Science and Engineering (CSE) starting Fall 2021. One position is in the area of Artificial Intelligence while the remaining two positions are in the core area of Computer Science and Engineering.

Clinical Assistant/Associate Professor will teach undergraduate and graduate level Computer Science and Engineering courses ranging from introductory and foundational level to more advanced and specialized topics. Additional expectations include curriculum development, participating in departmental activities, and providing career guidance to graduate and undergraduate students.

Minimum qualifications include a Ph.D. in computer science or a closely related field, with a strong preference for evidence of teaching experience.

*The Computer Science and Engineering department is home to 9 Professors, 11 Associate Professors, 7 Assistant Professors, 5 Lecturers, over 100 Ph.D. students, over 180 master students, and over 1300 bachelor students. We offer a Ph.D. degree in Computer Science and Engineering, M. S. degrees in Artificial Intelligence, Computer Engineering, Computer Science, Cybersecurity and Data Engineering, ABET-accredited B. S. degrees in Computer Science and Computer Engineering, an ABET-accredited B. A. degree in Information Technology, and a new B. S. degree in Cybersecurity. Additional information about the department is available at the website: computerscience.engineering.unt.edu.*

**Application Procedure:**

All applicants must apply online at the following links and may direct any questions to Dr. Pradhumna Shrestha (*pradhumna.shrestha@unt.edu*).

Artificial Intelligence: *http://jobs.untsystem.edu/postings/40524*

Computer Science and Engineering: *http://jobs.untsystem.edu/postings/40525*

Computer Science and Engineering: *http://jobs.untsystem.edu/postings/40526*

The committee will begin its review of applications immediately, and continue to accept and review applications until the position is filled.

**The University:**

UNT is the nation's 33rd largest public university and the largest, most comprehensive in the Dallas-Fort Worth area, one of the fastest growing metropolitan areas of ~7 million people, ever-increasing industrial and business activities. The vibrant UNT College of Engineering has more than 100 faculty

members. The college's faculty also boasts two National Academy memberships and more than 20 faculty fellowships across more than 15 societies. The college has hired 9 tenure and tenure track faculty this year and plans to further expand the college faculty.

## University of North Texas

*Assistant/Associate Professor of Computer Science*

The University of North Texas, a Carnegie R1 Research Institution, invites applications for the following Assistant/Associate tenure track faculty position in the Department of Computer Science and Engineering (CSE) starting Fall 2021. Candidates for this position are expected to develop a strong research program funded by external sources, support and mentor graduate students, teach CSE graduate and undergraduate courses, and provide service to the University and the profession.

The College of Engineering has established college-wide priorities for the areas of Artificial Intelligence, Autonomous Vehicles, Advanced Manufacturing, Sensor Systems, and Health Sciences. The CSE department's strengths include Algorithms and Computational Science, Artificial Intelligence and Data Science, Computer Systems and Networking, Cybersecurity, and Software Engineering. Candidates in the areas of Algorithms, Operating Systems, and Artificial Intelligence who can contribute to one or more of the department's existing strengths and/or college priority areas are especially encouraged to apply. Outstanding candidates who can contribute to one or more of the department's existing strengths will also be considered.

The Computer Science and Engineering department is home to 9 Professors, 11 Associate Professors, 7 Assistant Professors, 5 Lecturers, over 100 Ph.D. students, over 180 master students, and over 1300 bachelor students. We offer a Ph.D. degree in Computer Science and Engineering, M. S. degrees in Artificial Intelligence, Computer Engineering, Computer Science, Cybersecurity, and Data Engineering, ABET-accredited B. S. degrees in Computer Science and Computer Engineering, an ABET-accredited B. A. degree in Information Technology, and a new B. S. degree in Cybersecurity. Additional information about the department is available at the website: *computerscience.engineering.unt.edu*.

**Application Procedure:**

All applicants must apply online at *http://jobs.untsystem.edu/postings/40563*

The committee will begin its review of applications immediately, and continue to accept and review applications until the position is filled.

**The University:**

UNT is the largest, most comprehensive university in the Dallas-Fort Worth area, the fourth-largest metro area in the United States and one of the fastest growing metropolitan areas with ever-increasing industrial and business activities and a reasonable cost of living. The vibrant UNT College of Engineering, located in the 590,000 square foot main building on the 300 acre Discovery Park campus in Denton, TX, has more than 100 faculty members. The college has hired 9 tenure and tenure track faculty this year and has a goal to expand the college faculty by 50% in the next 5 years.

## University of Pittsburgh

*Tenured/Non-tenured Track Assistant Professor*

The University of Pittsburgh located on the main campus in Oakland, PA has full-time faculty positions available in the School of Health and Rehabilitation Sciences Department of Health Information Management and Health Informatics, *www.shrs.pitt.edu/him*. The program is accredited by CAHIIM. The Bachelor's Degree Center ranked our program 5th best program in U.S and Healthcare Management Degree Guide recently named Pitt HIM as 7th in the nation.

These positions are available in both the tenure-track and non-tenured track. The department is seeking candidates to expand our educational and research activities in both undergraduate and graduate Health Information Management programs.

Please check the website, *https://www.join.pitt.edu* under requisition 2000475, 2000209, and 20003065 for the complete job summary, qualification requirements, and applicant documents necessary.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity, and diversity, EOE, including disability/vets.

## University of Pittsburgh

*School of Computing and Information*

*Tenure/Tenure-Stream Faculty Positions*

University of Pittsburgh School of Computing and Information - Tenure/Tenure-Stream Faculty PositionsAs the University of Pittsburgh's newest school, the School of Computing and Information (SCI) is a growing interdisciplinary community of faculty, staff, and students who are accustomed to progressing through change, thinking beyond boundaries, and innovating new approaches to lead our institution and nation to positive change. Since 2017, SCI has hired twenty-five faculty members, and we are continuing our growth with multiple openings in the tenure stream this year.

We are fostering an equitable and inclusive community with our scholarship, education, and faculty development initiatives, including: policies to promote a healthy work-life balance; programs to meet the needs of two career couples, and a commitment to recruit, retain, and develop a diverse faculty.

SCI's interdisciplinary research and education includes computer science, information science, and library and information science with rich connections to partners in health sciences, medicine, engineering, social sciences, humanities, business, and other areas.

About the Position(s)

We have multiple openings in the tenure and tenure-stream:

- Artificial Intelligence, Internet of Things (Assistant Professor, Department of Computer Science) Position #02001
- Digital Health, Health Technologies, and Health Information Services (Assistant Professor, Department of Information Culture and Data Stewardship) Position #06329
- Human-Centered Information Systems (Assistant Professor, Department of Informatics and Networked Systems) Position #02658
- Technology for Learning and Social Change (Associate/Full Professor) Position #2191
- Quantum Computing and Communications (Assistant Professor) Position #09832

Minimum required qualifications

- Candidates should hold a Ph.D. degree in computer science, information science or some closely related area
- Candidates should hold the PhD degree by September 2021

Application Process

Individuals interested in these openings may apply at the ***https://sci.pitt.edu/recruiting***. A completed application includes a cover letter, curriculum vitae, research statement, teaching statement, a statement of commitment to creating a diverse and inclusive community, and the names and contact information for at least three recommenders for applications for positions at the assistant professor level and six recommenders for applications for positions at the associate or full professor level.

Application review will begin immediately and applications will be accepted until positions are filled. We anticipate that interviews will begin in February 2021. The anticipated start date is September 1, 2021. Please refer to recruiting page for preferred qualifications and application deadlines. The anticipated start date is September 1, 2021. Questions about these positions and/or application status should be emailed to ***sci-recruit@pitt.edu***.

*The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity, EOE, including disability/vets.*

## University of Rochester

*Professor / Associate Professor / Assistant Professor*

The Computer Science Department at the University of Rochester (***http://www.cs.rochester.edu***) seeks applicants for tenure-track faculty positions. We are particularly eager to hire in theory, security/privacy/cryptography, quantum computing, data management, natural language processing, and machine learning, but

candidates in all areas of computer science and at any level of seniority are encouraged to apply: we are always on the lookout for unique opportunities and synergies.

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/positions/show/10942*) no later than January 1, 2021, for full consideration; submissions beyond this date risk being overlooked due to limited interview slots.

Computer science at Rochester has a distinguished history of research in artificial intelligence, human-computer interaction, systems, and theory. We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments. The department is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in computer science and in higher education. We have a vibrant Women in Computing / Minorities in Computing community, and are a charter member of the AnitaB.org 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. For more information about our department, visit *https://www.cs.rochester.edu*.

The University of Rochester is a private, Tier I research institution with approximately 6,500 undergraduates and 5,200 graduate students.

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 Southern California

*Viterbi School of Engineering – Department of Computer Science*
*Multiple Tenure-Track Faculty Positions*
*Los Angeles, CA*

The Department of Computer Science (*http://cs.usc.edu*) at the USC Viterbi School of Engineering (*https://viterbischool.usc.edu/*) is searching for exceptional candidates for tenure-track positions in all areas of computer science, and at all levels of seniority, with particular emphasis on Assistant Professor positions in the areas of Artificial Intelligence, Machine Learning and Data Science. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, African Americans, Hispanic Americans, Native Americans, veterans, and individuals with disabilities.

We expect all candidates to have a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

**Applicants should submit their applications online at USC Careers** (*https://usccareers.usc.edu/job/los-angeles/open-rank-assistant-associate-or-full-professor-of-computer-science/1209/3114617632*).

Applications must include a cover letter indicating the applicant's area of specialization, a detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applicants are encouraged to include a succinct statement on fostering an environment of diversity and inclusion. Applications submitted by January 15, 2021 will be given full consideration; applications received after this deadline might not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 191 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research

expenditures typically exceed $200 million annually. With 39 tenure-track, 29 research faculty, and 18 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

*USC 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, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.*

## University of Southern Mississippi

*Assistant or Associate Professor, Information Technology*

**Job Summary**

The School of Computing Sciences and Computer Engineering at The University of Southern Mississippi invites applications for an assistant professor in Information Technology on the Hattiesburg campus. The position will begin in August 2021. The selected candidate will work with local, state, and federal agencies to develop initiatives related to cybersecurity. Applications must be submitted online at *https://usm.csod.com/ats/careersite/JobDetails.aspx?id=1695&site=1*. Review of applications will begin January 1 2021 and will continue until the position is filled.

**Primary Duties and Responsibilities**

1. Teach undergraduate and graduate courses in one or more content areas of cybersecurity such as OS security, mobile security, hacking tools and techniques, computer network security.
2. Develop an externally funded research program in an area related to cybersecurity.
3. Provide service to the School, College, and University.
4. Performs other duties as assigned.

**Minimum Qualifications**

Earned PhD in Information Technology, Computer Science, or closely related field (ABD will be considered). Evidence of commitment to excellence in teaching and professional service. Evidence of potential to develop an externally funded research program that incorporates graduate and undergraduate students. Applicants must be eligible to work in the United States at the time of their application. The candidate is expected to be eligible to apply for a U.S. security clearance or be eligible to work on DoD grants.

The University of Southern Mississippi is an Equal Opportunity/ Affirmative Action Employer.

## University of Texas at Dallas

*Department Head - Computer Science*

The Erik Jonsson School of Engineering and Computer Science at The University of Texas at Dallas (UT Dallas) invites applications or nominations for the position of Department Head of Computer Science (CS) starting Fall 2021. The ideal candidate will be an accomplished leader with a broad and inclusive vision to meet the department's bold goals in research, education, and outreach. He or she will have a distinguished record of scholarship and administrative leadership. They must have academic credentials that merit appointment as a tenured full professor, including a comprehensive academic record in research, teaching, and service. The successful candidate should have a proven record to lead a complex organization and to leverage growth opportunities, including a demonstrated commitment to diversity and inclusion. The Department Head is expected to foster an environment in which faculty, staff and students from a variety of backgrounds, cultures and personal experiences are welcomed and can thrive. Equally important, the candidate must effectively represent the department across the University, as well as foster strong relationships with industry representatives, government and community leaders, donors and alumni. Individuals from underrepresented populations are strongly encouraged to apply.

The CS Department at UT Dallas has experienced unprecedented growth over the last decade. The department currently has 51 tenured/tenure-track and 40 faculty of instruction, about 4,600 students including 3,600 undergraduate students, and 1,000 graduate students. The department offers B.S., M.S., and Ph.D. degrees in Computer Science, Software Engineering as well as in interdisciplinary fields such as Telecom Engineering and Computer Engineering. The department also offers an Executive M.S. in Software Engineering and an interdisciplinary M.S. in cyber security, technology and policy as well as a B.S. in data science. The undergraduate curriculum is tailored to meet the highest standards of computer science and software engineering education, providing top level instruction in traditional and contemporary areas, and making our students highly sought after following their graduation. The department is home to several NSF CAREER and multiple DoD (AFOSR, ARO) Young Investigator awards as well as NSF IUCRC, DoD MURI, MRI, DURIP, NSF Scholarship for Service (SFS) and other research, education and capacity development awards from several federal agencies. The department has faculty members who are elected fellows of organizations such as the ACM, IEEE, AAAS, NAI (National Academy of Inventors) and the IACR (International Association for Cryptologic Research) and have received several technical and faculty awards including from the ACM, IEEE, IBM, Google, and Amazon. The department is consistently highly ranked in CSrankings.org and second among the universities in the UT System in the US News and World Report. The department is housed in a spacious 150,000 square foot facility and has excellent computing equipment and support. It has a number of centers and institutes, particularly, in the areas of cyber security, artificial intelligence, machine learning, human language technology, software engineering, assistive technologies and net-centric software. For details of the accomplishments of the department, visit *https://cs.utdallas.edu/*.

The Jonsson School, home to six dynamic departments (biomedical, computer science, electrical and computer, materials science, mechanical, and systems), is one of the most rigorous, technologically advanced and diverse programs in the country. Close connections exist between all of these departments and local industry giving our students exceptional internship and employment opportunities. We serve as an economic engine of growth and innovation for North Texas with our focus on industry-relevant research and education. To that end, teams from our corporate-sponsored capstone program, UTDesign®, have taken top honors at national competitions in recent years, as well as founded startups. The Jonsson School has a legacy of inclusion, ranking in the top in the nation of number of degrees awarded to women in our oldest programs – computer science and electrical engineering.

UT Dallas is located in the suburb of Richardson, in the heart of North Texas. The Times Higher Education ranks UT Dallas as #1 in the nation and #21 in the world among universities under 50 years of age. Since its founding in 1969, UT Dallas has grown to include 140 degree programs. The University has recently undergone a period of substantial growth including enrollment increases of 144% since 2000, a total of 3.5 million new or renovated square feet, and $1 billion in development as of 2016. For more information, visit *www.utdallas.edu*.

Review of applications will begin February 1, 2021 and will continue until the position is filled. Complete applications will include a cover letter, current CV, research statement, statement of teaching philosophy, teaching evaluations (if available), statement of administrative philosophy and accomplishments, statement of diversity and inclusion, and contact information for five references.

## 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 2021.

Please see the full descriptions of the positions at the following links: <*https://careers.utrgv.edu/postings/26239/*> and *https://careers.utrgv.edu/postings/26240/*.

## University of Texas Southwestern Medical Center

*Assistant Professor*

The Quantitative Biomedical Research Center (QBRC) is a well-established research center in the Department of Population and Data Sciences at the University of Texas Southwestern Medical Center (UTSW). The candidate will develop novel methods and algorithms in artificial intelligence developing cutting-edge AI algorithms in clinical image analysis and genomic data analysis

Position Qualifications: Ph.D. degree in computer sciences, statistics, biomedical sciences, engineering or related field. Preferred experience in AI, machine learning, predictive modeling, imaging analysis or digital pathology. Interested candidates should apply online at *https://www.utsouthwestern.edu/* and upload a current CV.

UT Southwestern Medical Center is committed to an educational and working environment that provides equal opportunity to all members of the University community. As an equal opportunity employer, UT Southwestern prohibits unlawful discrimination, including discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, citizenship status, or veteran status. To learn more, please visit: *https://jobs.utsouthwestern.edu/why-work-here/diversity-inclusion/*

## University of Toronto

The *Department of Computer Science* at the University of Toronto invites applications for multiple tenure- stream positions at all ranks, starting July 1, 2021.

Areas of interest include, in the broadest possible sense:

- Knowledge Representation and Reasoning
- Computer Vision and Computational Imaging
- Machine Learning with a focus on Deep Learning
- Systems and Data Systems
- Security and Cryptography

In addition, the *Department of Computer and Mathematical Sciences*, University of Toronto Scarborough (UTSC) is hiring for one position at the rank of Assistant Professor in

- Distributed Systems

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, 2021. 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, and demonstrate a strong record of excellence in research and a strong commitment to excellent teaching.

Evidence of a commitment to equity, diversity, inclusion (EDI), and the promotion of a respectful and collegial learning and working environment will weigh favourably on the application.

Salaries will be commensurate with qualifications and experience, and is competitive with our North American peers.

Applicants should apply online *AcademicJobsOnline,* 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 directly by the writers. Review of applications will begin on January 11, 2021. Applicants should endeavor to have all materials submitted by then, however, the position will remain open until January 28, 2021.

For more information about the Department of Computer Science, see our website *www.cs.toronto.edu* or contact 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 Utah

*Assistant/Associate/Professor - Artificial Intelligence Position*

The School of Computing at the University of Utah seeks applications for tenure-track/tenured faculty at all ranks in all areas of artificial intelligence. This includes but is not limited to: computer vision and perception, intelligent agents, knowledge representation, machine learning, natural language processing, planning, reasoning and problem solving, and social intelligence.

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 late 2020, and new applications will be considered, as appropriate, through spring of 2021.

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 is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in computer science and in higher education. 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/109436*

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 Utah

*Assistant/Associate/Professor Position*

The School of Computing at the University of Utah seeks applications for tenure-track/tenured faculty in all areas of computer science/computing, and at all ranks.

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 late 2020, and new applications will be considered, as appropriate, through spring of 2021.

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 is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in computer science and in higher education. 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/109434*

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 Utah

*Assistant/Associate/Professor - Cybersecurity Position*

The School of Computing at the University of Utah seeks highly qualified applicants in all areas of cybersecurity and privacy, including human aspects of cybersecurity and privacy, for a tenure-track/tenured faculty position, at all ranks.

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 late 2020, and new applications will be considered, as appropriate, through spring of 2021.

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 is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in computer science and in higher education. 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/109437*

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 Utah

*School of Computing – Lecturing Professor Position*

The School of Computing at the University of Utah seeks applicants for the position of Lecturing Professor (at all ranks) beginning in the fall semester of 2021. This lecturing position is intended to be a long term or permanent position, with possibilities for extended contracts and promotion within the University's Career Line Faculty structure.

The School of Computing currently employs 49 tenure-track and 8 lecturing professors who collaborate to offer a variety of undergraduate and graduate degree and certificate programs, and faculty size is expected to grow significantly in the coming years. The School offers graduate degrees in computing, computer science, and software development, as well as undergraduate degrees in computer science, data science, and computer engineering.

The qualifications of an ideal candidate include (i) a strong academic background in computer science or a related field, (ii) practical experience in computer science, (iii) a demonstrated proficiency in teaching, and, (iv) an interest in curriculum development. Lecturing faculty typically teach four courses a year, are strongly involved in university governance and service roles, and are encouraged to continuously improve their scholastic credentials (e.g., by developing curriculum, employing innovative pedagogical methods, publication, etc.).

The School of Computing is updating and expanding the degree options for undergraduates, which provides an exciting opportunity for new Lecturing Faculty to make significant contributions to curriculum. In particular, candidates with expertise in web technologies (frontend/backend infrastructure, web UI/UX, virtualization, security, and cloud) are sought.

Due to the success of the Master of Software Development, the only such program in the state of Utah, the School of Computing is also seeking candidates with expertise in software engineering, systems, and data analytics to help grow the program.

The School of Computing at the University of Utah is committed to broadening participation in computing, and values candidates with diverse intellectual, cultural, and ethnic backgrounds, and who possess a strong commitment to improving access to higher education for students historically underrepresented in the field. The School is also committed to addressing lifestyle priorities and is open to providing opportunities for spouses and significant others.

The University of Utah provides a generous benefits package with a variety of medical and dental plans from which to choose. Other important benefits include retirement, tuition reduction, a wellness program, and an Employee Assistance Program.

***Candidates may apply through the following URL:***

*http://utah.peopleadmin.com/postings/108891*

Review of applications will begin after January 1 and will continue until the position is filled.

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 Utah

*Assistant Professor (Lecturer)*

The University of Utah's Entertainment Arts and Engineering (EAE) program is seeking to hire a teaching faculty member at the rank of assistant professor (lecturer), beginning either January 2021 or Fall 2021. This is a Career-Line Faculty position (research optional, non-tenure track) within the University's established promotion structure intended to be a long-term position with a renewable contract and multi-year appointments.

EAE is looking to hire a candidate with an interest in and knowledge of the technical and/or engineering aspects of game development. Experience in game development with industry-standard processes, tools, and platforms, is highly desirable. The successful candidate will also have a strong interest in bringing to bear their expertise in and passion for the wider context of games scholarship and teaching to help prepare our students for success.

Candidates must hold a Ph.D. or other terminal degree in a technical field (e.g., Computer Science, Informatics). The successful candidate will share our vision of the power that games hold to transform players, groups and society, and will be passionate about teaching the diverse students within EAE and the University of Utah. Responsibilities include teaching broad-based undergraduate classes, technically-oriented graduate courses, as well as project-based studio courses, often in collaboration with other EAEfaculty. We are excited about candidates who are, or want to be, active in a creative practice of game development broadly construed (e.g. indie, AAA, experimental, etc.). The faculty member is also expected to perform service at the program, university and professional level.

If you are interested in teaching the next generation's leaders in games and interactive entertainment, we strongly encourage you to apply.

The University of Utah's EAE Program is a world leader in games education, with top-ranked programs at both the undergraduate and graduate levels. Founded in 2007, EAE is a teaching program centered on the discipline of games, with its programs consistently ranked in the top ten worldwide by Princeton Review since 2013. EAE programs were ranked #1 in the world in 2013, 2015 and 2016 and has been ranked in the top five worldwide for the last seven years. The EAE faculty is a collegial community of games scholars composed of artists, computer scientists, designers, games studies scholars, and social scientists who all work together to design and teach our

courses. This diversity of background in our faculty is one of the core elements of our students' experiences.

The University of Utah is a Carnegie Research I institution located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additionally, a vibrant local game development community offers opportunities for interesting collaborations. In their 2016 report on the videogame industry in the US, the Entertainment Software Association (ESA) described Utah as the 2nd best performing state for growth in the game industry since 2013. Further information about EAE and our current faculty can be found at *https://games.utah.edu/about-eae/.*

Interested candidates should provide a cover letter, curriculum vitae, teaching statement, and names and contact information for at least three references to be considered. Evidence of teaching effectiveness is strongly recommended if available. Applications must be submitted on-line. Review of applications will begin immediately and will continue until the position is filled. EAE is especially interested in qualified candidates who can contribute to the diversity of our academic community. We strongly encourage underrepresented minority and women candidates to apply.

*http://utah.peopleadmin.com/postings/108330*

## University of Virginia

*Open Rank - Cybersecurity*

The University of Virginia (UVA) seeks applicants for multiple open rank, tenured or tenure-track faculty positions in fields related to Cyber Security. These faculty positions have the flexibility of appointments among multiple schools/departments across the University. The successful applicants will be expected to engage in active research, teach at the undergraduate and graduate levels, and perform service for the institution and professional organizations. Rank, tenure-status, and compensation are contingent upon experience. UVA has a strong culture of collaboration and collegiality and is committed to creating collaborative environments necessary to solve the next generation of research challenges.

All relevant areas of research will be considered, including but not limited to:

- Foundations: Theory of security and privacy, models of trust, models of risk, methods of secure communication and computation, cryptography, threat modeling, anonymity-based models, and knowledge hiding models.
- Secure Systems: secure operating systems, databases, networks, secure distributed systems, secure cloud systems, secure web browsers, hardware security, embedded systems, and mobile devices.
- Privacy: Data and computation privacy, anonymization techniques for users and their data, and private information retrieval.
- Security and Privacy Applications: Cyber-physical systems, computer forensics, malware analysis, vulnerability analysis, human-centric security, law and public policy, electronic commerce.
- Behavioral Security: predictive and analytical behavior modeling, sociotechnical security, social and cognitive psychology approaches, building organizational resilience.
- Cyber Resilience: Systems modeling and analytical tools to support design of systems that are resilient to cyber-attack.
- Machine learning in cybersecurity: deep learning practically applied to network intrusion detection systems, cyber threat hunting at global scale through analysis.

Applicants must have a PhD by the time of appointment, a record of excellence in research, as appropriate for the candidate's rank, a commitment to teaching excellence, and a commitment to the promotion of diversity, equity, and inclusion. Tenured appointments require documented excellence in research and teaching, and an emerging national reputation.

Please apply online at *https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Open-Rank---Cybersecurity_R0020068-1* and attach the following required applicant documents:

a cover letter, including a summary of research interests and accomplishments, and potential UVA collaboration a detailed curriculum vitae a summary of your five-year research plan and prior research accomplishments, a statement of teaching philosophy, 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 diversity, equity and inclusion.

**Please note that multiple documents can be uploaded in the link referenced above.**

Review of applications will begin on December 19, 2020 and will remain open until filled. The successful applicant is expected to start in August 25, 2021 or at a date of mutual agreement.

The University will perform background checks on all new faculty hires prior to making a final offer of employment.

For questions about the position, please contact Peter Beling, Faculty Search Chair, at *pb3a@virginia.edu*.

For questions about the application process, please contact Rich Haverstrom, Faculty Search Advisor, at *rkh6j@virginia.edu*.

The University assists UVA faculty spouses and partners seeking employment in the Charlottesville area. To learn more about these services, please see *http://provost.virginia.edu/dual-career*.

*The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, 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

*Academic General Faculty*

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 2021. 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 57 faculty, including 17 teaching faculty. We are especially seeking faculty who can teach courses in computer security, databases, cloud computing, mobile computing, and AI, but are hiring in all areas of CS.

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, by the time the position starts, 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 for promotion.

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 *https://provost.virginia.edu/subsite/faculty-affairs/new-faculty-candidate-resources*.

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit *https://dualcareer.virginia.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-Computer-Science--Academic-General-Faculty_R0020187* 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 23, 2020 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*

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 which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, 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

*Computer Science Department Chair*

The Department of Computer Science within the School of Engineering and Applied Science at the University of Virginia invites applications for the role of department chair to begin in August 2021. The department has a history of bringing visionary and accomplished scholars from the broader Computer Science community to expand the impact of our research and educational programs. We seek a world-class scholar and leader, whose background allows them to be appointed as a full professor, to lead the next phase of our growth.

The department has experienced significant growth in recent years. In the past 6 years, it has hired 33 faculty members, bringing the total to 57. In that time, the number of undergraduate majors has more than doubled and the number of graduate students has more than tripled. This period has seen a remarkable growth in the size and reach of its research program, e.g., research expenditures are up by more than 260%, and it participates in 3 externally funded center-scale activities - leading two of those. Moreover, the department has led the creation of two major interdisciplinary initiatives within the university - the LinkLab, which is engaged with Cyber Physical Systems research (*https://engineering.virginia.edu/link-lab*) and the Biocomplexity Institute (*https://biocomplexity.virginia.edu/*) – and jointly administers the Computer Engineering

program with the Department of Electrical and Computer Engineering.

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. This commitment can be seen in the department's 20-year focus on enhancing diversity and inclusion in its educational programs. These efforts have significantly increased diversity in its undergraduate program, with 31% of its Bachelor's degrees being awarded to women in 2019, which ranks 6th among public institutions.

The department is primed for further success. It enrolls a stellar group of undergraduate and graduate students (3-time National Cyber Defense Challenge champions, 12+ faculty placements in recent years). It has a cadre of excellent young faculty (15 NSF CAREER awardees) and established senior faculty (7 ACM/IEEE Fellows). It enjoys the committed support of university leadership (as evidenced by substantial internal funding to establish the LinkLab and the Biocomplexity Institute in the past 3 years). It has excellent relationships with leaders of the burgeoning regional technology sector in Virginia. The new chair will build on this momentum to take the UVA Computer Science department to the next level in this exciting time for its stakeholders.

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 *https://provost.virginia.edu/subsite/faculty-affairs/new-faculty-candidate-resources*.

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.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Department-Chair-for-Computer-Science_R0020607* and attach the following documents:

1. a CV to include contact information for three references;
2. an overview of major research contributions and future research plans;
3. a teaching statement;
4. a statement describing your work related to diversity, equity and inclusion;
5. a cover letter describing your leadership philosophy and why you feel you are a good fit for the UVA chair position.

The University will perform background checks on all new hires prior to employment. This position will also require an Education Verification (FSAKA).

Review of candidates will begin on January 14, 2021 and will continue until filled.

For questions regarding the position, please contact Matthew Dwyer, Search Committee Chair, at *matthewbdwyer@virginia.edu*.

For questions about the application process, please contact Rich Haverstrom, Faculty Search Advisor, at *rkh6j@virginia.edu*

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, 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 Washington, Bothell

*School of STEM, Division of Computing and Software Systems*

*Assistant Professor Computing and Software Systems*

The Computing and Software Systems (CSS) Division of the School of Science, Technology, Engineering and Mathematics

(STEM) at the University of Washington Bothell (UWB) invites applications for a tenure track position at the rank of assistant professor. The successful candidate(s) will join our faculty on a full-time basis for a nine-month academic year appointment beginning September 16, 2021. We would like to encourage applications from candidates with research and teaching interests in: software engineering, network-centric computing (including networking, cybersecurity, Internet of Things, and mobile and edge computing), data-centric computing (including data science, machine learning, and databases), and entertainment computing. Interdisciplinary work is encouraged.

Please see the full Ad at: ***https://apply.interfolio.com/81086***

## University of Waterloo

*Tenure-track and Tenured Faculty Positions*

The David R. Cheriton School of Computer Science in the Faculty of Mathematics at the University of Waterloo invites applications for six tenure-track Assistant Professor positions, subject to budget approval, targeted to all areas of Computer Science, including multi-disciplinary and cross-disciplinary research. These positions are in addition to the five tenure-track positions previously advertised with a deadline of November 30, 2020 (Job Bank identifier: 1559657). Applicants for these previously advertised positions need not reapply to be considered for all eleven positions, but they are invited to update their application through the School's submission site, if they wish.

Excellent faculty members are sought who will enhance the School's strengths. Tenured appointments at the Associate and Full Professor level are possible as circumstances warrant. All successful applicants are expected to engage actively in graduate student supervision and teaching, to contribute to the overall development of the School, and to be, or to have demonstrated the potential to be, leaders in their research field. A PhD in Computer Science, or equivalent, is required. Rank and salary will be commensurate with experience; the salary range is $130,000 – $180,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. The expected start date for these positions is July 1, 2021 though the actual start date is flexible.

The David R. Cheriton School of Computer Science is the largest Computer Science school in Canada, with 85 professorial faculty members. It enjoys an excellent reputation in pure and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the School attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the School's website for more information: ***https://cs.uwaterloo.ca/about/open-positions***.

The University of Waterloo regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. As such, we encourage applications from women, persons with disabilities, Indigenous peoples, members of visible minorities and others who may contribute to the further diversification of ideas. At Waterloo, you will have the opportunity to work across disciplines and collaborate with an international community of scholars and a diverse student body, situated in a rapidly growing community that has been termed a "hub of innovation."

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.

To submit an application, please register at the submission site: ***https://cs.uwaterloo.ca/faculty-recruiting***. Once registered, instructions will be provided regarding how to submit your full application. Applications will be considered as soon as possible when received, with full consideration assured for those received by January 20, 2021.

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: Prof. Charles Clarke, David R. Cheriton School of Computer Science, University of Waterloo, Waterloo ON N2L 3G1, Canada (*cs-recruiting@uwaterloo.ca*).

Three reasons to apply: *https://uwaterloo.ca/fauw/why*.

## Utah State University

*Computer Science Assistant Professor*

The Computer Science Department at Utah State University is seeking applications to fill two tenure-track Assistant Professor positions, starting August 1, 2021, to strengthen its focus on Software Engineering, Security, Cloud Computing, Robotics, Human Computer Interaction, and Data Science.

Application reviews will begin in January 2021.

Apply at: *https://careers-usu.icims.com/jobs/3181/job*

EEO Employer/Veterans/Disabled *http://aaeo.usu.edu/non-discrimination*

## Vanderbilt University

*Tenure-Track Faculty Positions in Computer Science*

The Department of Electrical Engineering and Computer Science (EECS) is launching a multi-year faculty recruitment and hiring process in Computer Science for 20 tenure-track positions at all career levels over and above normal hiring patterns, with preference at early-career appointments. Destination-CS is part of the university's recently launched **Destination Vanderbilt**, a $100 million university excellence initiative to recruit new faculty. Over the next two to four years, the university will leverage the investment to recruit approximately 60 faculty who are leaders and rising stars in their fields, at least 20 of which will be in computer science. **For more information, please visit our web site: *http://vu.edu/destination-cs*.**

We seek exceptional candidates in broadly defined areas of computer science that enhance our research strengths in areas that align with the following investment and growth priorities:

1. **Autonomous and Intelligent Human-AI-Machine Systems and Urban Environments**
2. **Cybersecurity and Resilience**
3. **Computing and AI for Health, Medicine, and Surgery**
4. **Design of Next Generation Systems, Structures, Materials, and Manufacturing**

Ranked #14 nationally, Vanderbilt University is a private, internationally recognized research university located on 330 park-like acres 1.5 miles from downtown Nashville, Tennessee. Its 10 distinct schools share a single cohesive campus that nurtures interdisciplinary activities. The university has a student body of over 13,500 undergraduate, graduate, and professional students, including 36% minority students and over 1,100 international students from 84 countries. In the rankings of graduate engineering programs by *U.S. News & World Report*, the school ranks in the top 20 private, research-extensive engineering schools. Five-year average T/Tk faculty funding

in the EECS department is above $800k per year. All junior faculty members hired during the past 15 years have received prestigious young investigator awards, such as NSF CAREER and DARPA CSSG.

Nashville has a metro population of approximately 1.9 million people. Long known as a hub for health care and

VASSAR

**Adjunct Assistant Professor of Computer Science**

The Computer Science Department at Vassar College seeks a part time, Adjunct Assistant Professor for the Spring 2021 semester

For more information or to apply, please visit **https://apptrkr.com/2082720**

Candidates must have a Ph.D. in Computer Science by January 2021. Interested candidates should contact Luke Hunsberger, Chair of Computer Science at hunsberger@vassar.edu.

music, Nashville is a technology center with a considerable pool of health care, AI, and defense-related jobs available. In recent years, the city has experienced an influx of major office openings by some of the largest global tech companies and prime Silicon Valley startups.

Vanderbilt University has a strong institutional commitment to recruiting and retaining an academically and culturally diverse community of faculty. Minorities, women, individuals with disabilities, and members of other underrepresented groups, in particular, are encouraged to apply. Vanderbilt is an Equal Opportunity/ Affirmative Action employer.

**Applications should be submitted on-line at: *http://apply.interfolio.com/80624*. Applications will be reviewed on a rolling basis beginning December 15, 2020 with interviews beginning January 1, 2021. For full consideration, application materials must be received by January 31, 2021.**

## Virginia Tech

*Blockchain Adjunct Faculty*

The Department of Computer Science at Virginia Tech seeks applicants to teach in a certificate program for blockchain technologies. The position will be for an adjunct faculty with an open specialization that contributes to short form modules. Successful candidates will have experience managing blockchain in a business, government, NPO or an active scholarship in blockchain research. Adjunct faculty responsibilities will include supporting certificate programming for mid-career professionals, especially in those in business settings.

Candidates should be passionate about helping future adopters learn more about the benefits and functional applications of using blockchain. Virginia Tech Blockchain is focused on developing Blockchain that

VIRGINIA TECH™

## FACULTY POSITIONS
### Department of Computer Science

The Department of Computer Science at Virginia Tech is in a period of dramatic growth and opportunity. With substantial multi-year investments from the Commonwealth of Virginia and infrastructure investments by Virginia Tech, we anticipate hiring multiple faculty members at all ranks and in all areas for several years. We seek candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research. We embrace Virginia Tech's motto, *Ut Prosim* ("That I May Serve"): we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

We seek candidates at all ranks and in all areas of computer science, and from all backgrounds and lived experiences. The positions include packages and resources to enable success. Our new colleagues will benefit from 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. Tenured and tenure-track faculty are expected to initiate and develop independent research that is internationally recognized for excellence, conscientiously mentor research-oriented graduate students, teach effectively at both graduate and undergraduate levels, and serve the university and their professional communities.

The department fully embraces Virginia Tech's commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. We cultivate a working environment that respects differences in gender, race, ethnicity, sexual orientation, physical ability/qualities, and religious status. We strongly encourage applications from traditionally underrepresented communities to join us in this critical endeavor.

The department currently has 57 faculty members, including 47 tenured or tenure-track faculty, 15 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. CS faculty members direct several interdisciplinary research centers, including the Center for Human-Computer Interaction and the Discovery Analytics Center. The department is home to over 1,200 undergraduate majors and over 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 an area consistently ranked among the country's best places to live. In addition, our program in the Washington, D.C., area offers unique proximity to government and industry partners and is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA, slated to open in 2024. Candidates for faculty positions at the Innovation Campus are encouraged to apply to the separate announcement for those opportunities.

The positions require occasional travel to professional meetings. Selected candidates must pass a criminal background check prior to employment. Applications must be submitted online to **jobs.vt.edu** for position 514466. Application review will begin on 11/20/20 and continue until the positions are filled. 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.

Serves in the spirit of the university's motto Ut Prosim (That I May Serve). Multiple candidates in varying areas of expertise are sought with particular interest in cryptography; blockchain for business, health care, or government settings; utilizing blockchain in supply chain operations; and designing new blockchain applications. Candidates can work remotely and time commitments can be flexible to accommodate working professionals.

Interested candidates can send a resume and cover letter - that expresses their areas of specialty and level of availability - to *jharder@vt.edu*. Initial review of candidates will take place December 15, 2020.

## Virginia Tech

*Postdoctoral Associate Position*

Applications are invited for a postdoctoral associate position in computer simulation, robotic algorithm design, statistical modeling, and machine learning. The duties of the postdoctoral associate include method and algorithm development, simulation, and data analysis. Prospective applicants should have: (1) a Ph.D. degree in computer science, statistics, mathematics, computer engineering, or a related discipline; and (2) extensive experience in coding with C++ and MATLAB.

To be considered, please email a cover letter, a curriculum vitae, undergraduate and graduate transcripts, and a list of three references to Dr. Hongxiao Zhu (*hxzhu2010@gmail.com*).

## Virginia Tech

*Collegiate Faculty – Electrical and Computer Engineering*

The Bradley Department of Electrical and Computer Engineering (ECE) at Virginia Tech seeks applications for a full-time, academic year, non-tenure-track, open rank Collegiate Faculty. Over the last seven years, the ECE department has grown in size achieving top academic rankings (the ECE department was ranked 12 globally and 9 nationally according to Shanghai Rankings). The position will be based in the Greater Washington, DC metro area and is part of the new VT Innovation Campus in Alexandria, Virginia. Applicants with expertise in the areas of Machine Learning, Quantum Engineering, 5G hardware including RF ICs, Data Science, and Cybersecurity are of particular interest, but all technical areas will be considered. Individuals with relevant industry experience are encouraged to apply.

Apply electronically to *jobs.vt.edu* using reference number 514280.

Please refer to *www.ece.vt.edu* for further information.

## Wake Forest University

*Assistant Professor Of Computer Science*

The Department of Computer Science at Wake Forest University is seeking applications for a tenure-track Assistant Professor position to begin July 2021. Successful candidates should have a demonstrated potential for a strong research program in their areas of interest and a strong commitment to undergraduate and graduate education as well as student engagement. Applicants should have completed a PhD in Computer Science or a closely related field by the time of appointment.

Desired candidates will be able to develop a visible, externally funded research program within a setting that values high-quality teaching and mentorship of both undergraduate and graduate students. While open to excellent candidates in all areas of computer science, the Department is interested in raising its research profile in areas that are complementary to ongoing research in the Department and at Wake Forest broadly, including particularly the areas of security, privacy, machine learning, data science, imaging, high-performance computing, scientific computing, theory, and systems.

For detailed information about the position and application process, visit: *CS Faculty Career*

## Washington University in St. Louis

*Computer Science & Engineering*

*Open Faculty Position in Data Science for Humanity*

The Department of Computer Science & Engineering at Washington University in St. Louis seeks outstanding tenure-track faculty to begin on or after July 1, 2021. **Our search this year focuses**

**on finding outstanding faculty in Artificial Intelligence, Machine Learning, and/or Data Science.** Successful candidates will affiliate with our interdisciplinary Division of Computational Data Science, itself conducting a search with our Brown School of Social Works and Public Health for faculty who investigate racial equity. We are part of a university-wide effort to recruit 12 faculty whose research focuses on race or ethnicity. Recently completed McKelvey Hall will support our department's continued growth and collaborations, hosting both computer and data science.

Appointment is expected at the rank of Associate or Full Professor; however, exceptionally qualified applicants may be considered for appointments at the Assistant Professor level. Applicants must hold a doctorate in Computer Science or a closely related field. Successful candidates should show exceptional promise for research leadership, commitment to high-quality teaching, and publishing of research in peer-reviewed conferences and journals.

Applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and contact information for at least three references) through Academic Jobs online at *https://academicjobsonline.org/ajo/jobs/17490*. Applications received by December 15, 2020, will receive full consideration. Contact *recruiting@cse.wustl.edu* for search related questions.

Washington University is a private university, known for the exceptional quality of its student body, its attractive campus, and its supportive environment for new arrivals. St. Louis combines a Midwest cost of living with a vibrant metropolitan area.

An Equal Opportunity Affirmative Action Employer, Washington University seeks an exceptionally qualified and diverse faculty; women, minorities, protected veterans, and candidates with disabilities are strongly encouraged to apply.

## William & Mary

*Assistant Professors of Computer Science*

The Department of Computer Science at William & Mary seeks applications for three tenure-track positions at the Assistant Professor level to begin in the 2021- 2022 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.

The applicant is expected to establish a high-quality research program, publish research results in top venues, teach at the undergraduate and graduate levels, supervise graduate and undergraduate research, and attract external funding to support their research activities.

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 on research and teaching, and a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion. 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. We will begin to review applications on January 25, 2021.

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.

# Professional Opportunities

## William & Mary

*Lecturer of Computer Science*

The Department of Computer Science at William & Mary invites applications for a non-tenure-track Lecturer position that will begin August 10, 2021. The initial term is for one year and renewal is contingent on successful performance review, department needs, and availability of funding. We seek an individual with expertise in computer science or computer programming. The successful applicant will be expected to be an effective teacher and will have a 3-3 teaching load.

Required: A Master's degree is required.

Preferred: A Ph.D. or ABD is preferred at the time appointment begins (August 10, 2021).

The Department of Computer Science is at the beginning of a multi-year effort to double the size of its undergraduate major as part of the Commonwealth of Virginia's Tech Talent Investment Program. William & Mary is regularly ranked among the best universities in the United States for undergraduate education.

Applicants must apply online at *https://jobs.wm.edu*. Submit a curriculum vitae and a cover letter including a statement on teaching interests and a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion.. You will be prompted to submit online the names and email addresses of three references who will be contacted by the system with instructions on how to submit a letter of reference. We will begin reviewing applications on March 1, 2021 and will continue to do so until the position is filled. Information on the degree programs in the Department of Computer Science may be found at *http://www.cs.wm.edu*.

William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university. The College 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.

## Woods Hole Oceanographic Institution

*Postdoctoral Investigator*

### Job Summary

Woods Hole Oceanographic Institution is currently searching for two Postdoctoral Investigators to join the Biology Department to study marine planktonic ecosystems. This is a regular, full-time exempt position, and is eligible for full benefits. The initial appointment will be for one year from the date of hire with the possibility of a second-year continuation.

### Essential Functions

The successful candidates will join a collaborative team of researchers using multifaceted approaches to study marine planktonic ecosystems, including how population and community dynamics are linked to environmental conditions. The research, supported by the Simons Foundation, involves developing and applying novel approaches in plankton ecology, especially leveraging new observational strategies (instrumentation) and large spatio-temporal data sets (plankton imagery and cytometry, etc.); mathematical models and data-model integration strategies; and data analysis, exploration, and synthesis methods (e.g., computer vision, machine learning, ecological network analysis, etc.).

### Education & Experience

- Ph.D. in oceanography, ecology, applied mathematics, computer science, or another scientific or engineering field with applications in ecology with less than 2 years of postdoctoral experience.
- Previous experience in ecological applications desirable
- Demonstrated interest and ability to work across disciplines
- Experience in applied mathematics, computer science, data science, or engineering applications in environmental science highly desirable.

To apply for this position please go to : *https://careers-whoi.icims.com/jobs/1325/postdoctoral-investigator---biology/job?mode=apply&iis=Job+Board&iisn=CRA*

# Professional Opportunities

Worcester Polytechnic Institute

## Assistant Professor of Computer Science

**JOB TITLE**
Assistant Professor of Computer Science

**LOCATION**
Worcester

**DEPARTMENT NAME**
Computer Science Department

**DIVISION NAME**
Worcester Polytechnic Institute - WPI

**JOB DESCRIPTION SUMMARY**
The WPI Computer Science Department is looking for faculty colleagues who engage deeply in both research and teaching within a curriculum that embraces student projects and independent learning.

Consider joining WPI where we seek faculty that can contribute to a diverse and inclusive community.

**JOB DESCRIPTION**
The Computer Science Department anticipates hiring a tenure-track faculty member for the fall of 2021 whose expertise is in Digital Health, Natural Language Processing, Social Computing, Compilers/Programming Languages, or Inclusive Computing.

In addition to these specific areas, outstanding candidates in any area (and any rank) will receive full consideration. Candidates should have a Ph.D. in Computer Science or a closely related field and the potential for excellence in research and teaching.

The Computer Science Department includes more than 30 full-time faculty. Construction is underway on a new academic building, which will be the home of many interdisciplinary programs involving Computer Science. Occupancy in the new building is expected in spring 2022.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low. Faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. We are most proud of a recent #1 ranking for "faculty who best combine research and teaching." (Wall Street Journal/Times Higher Ed, 2016). Located one hour west of Boston, the University's campus is in Worcester, Massachusetts, a thriving 21st-century college city recognized as a growing hub of scientific and technological innovation.

Questions about the hiring process should be sent to mailto:recruit@cs.wpi.edu.

More information about the positions and instructions for applying are available at http://web.cs.wpi.edu/facultyhire/.

You will need to include detailed research and teaching statements, vitae, and contact information for at least three references.

The deadline for applications is December 15, 2020, with applications continuing to be considered after that date until the positions are filled.

**FLSA STATUS**
United States of America (Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making.

To apply, visit: **https://apptrkr.com/2088987**

**About WPI**
WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

***Diversity & Inclusion at WPI***
*WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.*

**GREAT MINDS at WORK**

## 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 2021-2022 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 reference letters from outside Yale.

Contact Susan Hurlburt at *susan.hurlburt@yale.edu* with any questions regarding the application.

The department will start reviewing applications on February 1, 2021 and will continue until the position is filled.

Please apply at:
*http://apply.interfolio.com/81275*

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 2021-2022 academic year. The University has been aggressively investing in its Science Initiative, and computer science, data science, and quantum science are among its top priorities. Qualified applicants in computer science are invited to apply, with a preference for artificial intelligence and machine learning, distributed systems, and other fields that align with the priorities identified in Yale's recent University Science Strategy Committee Report (*https://research.yale.edu/ussc-report*).

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 both the Faculty of Arts & Sciences and the professional schools. 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 2021) a Ph.D. in

computer science or a related discipline. Applications submitted by December 15, 2020 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/79922*.

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 University

*Department of Electrical Engineering and Computer Science, Lassonde School of Engineering*

*Black-identified Professorial stream appointment*

The Department of Electrical Engineering and Computer Science, York University invites highly qualified candidates in any field of computer science related to the Department's activities to apply for a professorial stream tenured or tenure-track appointment at an open rank – Assistant, Associate or Full Professor level, depending on experience – to commence July 1, 2021. Salary will be commensurate with qualifications and experience. All York University positions are subject to budgetary approval.

This opportunity is open to qualified individuals who self-identify as Black peoples of African Descent (for example Africans and African heritage people from the Caribbean, Americas, Europe). Recognizing the underrepresentation of Black faculty, this opportunity is to support the University's Affirmative Action program and has been developed based on the special program provisions of the Ontario Human Rights Code. The position is part of a cohort hire of fourteen new colleagues at York University, including hires across a number of faculties and a wide range of areas and fields. The successful candidate will be joining a vibrant scholarly community at York, where we aspire to achieve equity and diversity in all areas, including race equity.

A PhD in computer science or a closely related field is required, with a demonstrated record of excellence, or promise of excellence (depending on the rank of the appointment), in research and in teaching.

For more information, please visit the York University careers page here: *https://lassonde.yorku.ca/eecs-computer-science-professorial-stream-open-rank-african-heritage*

## York University

*Lassonde School of Engineering*

*Multiple Positions*

York University is known for championing new ways of thinking that drive teaching and research excellence. Through cross-discipline programming, innovative course design, diverse experiential learning and a supportive community environment, our students receive the education they need to create big ideas that make an impact on the world. Located in Toronto, York is the third largest university in Canada, with a strong community of 53,000 students, 7,000 faculty and administrative staff, and 300,000+ alumni.

**For more information, please visit our website at *yorku.ca/acadjobs***

Established in 2012, the Lassonde School of Engineering, York University offers a broad range of undergraduate and graduate programs to educate multidisciplinary problem solvers, critical thinkers, and entrepreneurs who understand creativity, communications, social responsibility, and cultural diversity. Further information is available at *http://lassonde.yorku.ca.*

The Department of Electrical Engineering and Computer Science at York University is one of the foremost academic and research departments in Canada with more than 60 faculty members, offering a range of undergraduate programs and research-intensive graduate degrees. For further information please visit *http://eecs.lassonde.yorku.ca.*

**Full-Time Tenure-Track Appointments**

The following positions will commence **July 1, 2021** and are subject to budgetary approval. Salaries will be commensurate with qualifications and experience. Successful candidates must demonstrate excellence or promise of excellence in teaching and scholarly research. Successful candidates should also be suitable for prompt appointment to the Faculty of Graduate Studies, and be licensed as a Professional Engineer in Canada, or successfully seek licensure soon after appointment, where applicable. Pedagogical innovation in high priority areas such as experiential education and technology enhanced learning is preferred.

**Electrical Engineering & Computer Science invites applications for the following positions:**

- Artificial Intelligence/Machine Learning (open rank)
- Computer Science (open rank)
- Computer Science, Teaching Stream, Markham Campus (2 Positions at the Assistant level)
- Computer Security (open rank)
- Software Engineering (Assistant level)

Reviews of completed applications will begin on November 15, 2020. For full consideration, we need to have received your complete application materials by **November 30, 2020.**

York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. The AA Program, which applies to women, members of visible minorities (racialized groups), Aboriginal (Indigenous) people and persons with disabilities, can be found at *http://www.yorku.ca/acadjobs* or by calling the AA line at 416-736-5713. Applicants wishing to self-identify as part of York University's Affirmative Action program can do so as part of the online application process. All qualified candidates are encouraged to apply; however, Canadian citizens, permanent residents and Indigenous peoples in Canada will be given priority. No application will be considered without a completed mandatory Work Status Declaration form which is included as part of the online application process.

For complete job descriptions and application details, visit *http://www.yorku.ca/acadjobs*