

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

2019 Outstanding Undergraduate Researcher Winners

Congratulations to the recipients of the 2019 Outstanding Undergraduate Researcher Award. This year's nominees are a very impressive group. A number of them were commended for making significant contributions to more than one research project, several are authors or coauthors on multiple papers, others have made presentations at major conferences, and some have produced software artifacts that are in widespread use.

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

See page 2 for full article.

Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2019

This work uses the same methodology as work over the past five years to study where Computer Science departments are choosing to invest faculty positions by examining data obtained from advertised faculty searches for the current hiring season.

See page 7 for full article.

TAULBEE SURVEY DEADLINE EXTENDED TO JANUARY 28

The due date for the main section of the CRA Taulbee Survey is extended to January 28 for all participants.

As always, thanks for your work on the survey, and please contact Betsy Bizot (bizot@cra.org or 202-266-2943) if you have any questions.

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2019 Outstanding Undergraduate Researcher Winners



Congratulations to the recipients of the 2019 CRA Outstanding Undergraduate Researcher Award.

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

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

CRA gratefully acknowledges the support of [Microsoft Research](#) and [Mitsubishi Electric Research Labs](#) which sponsor the Outstanding Undergraduate Researcher Award program in alternate years. Microsoft Research is the sponsor of this year's award.

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

The 2019 selection committee includes Cristina Nita-Rotaru, chair (Northeastern), Pieter Abbeel (University of California, Berkeley), Jeff Forbes (Duke University), Elena Grigorescu (Purdue University), Victoria Interrante (University of Minnesota), Andy Ko (University of Washington), Ran Libeskind-Hadas (Harvey Mudd College), and Neil Spring (University of Maryland).

Thank you to everyone who volunteered to serve on the selection committee.

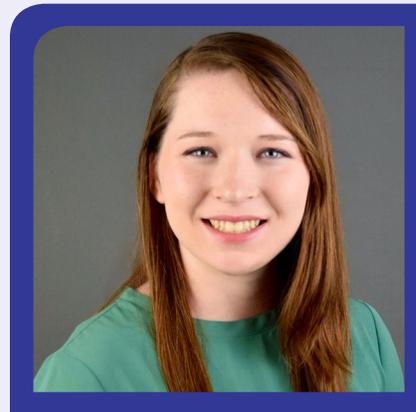
Awardees



Serina Chang

Columbia University

Serina Chang is a senior at Columbia University studying computer science and sociology. Her research interests fall at the intersection of the two fields, specifically in combining natural language processing and computational social science. Her prior work in emotion detection and automatic text summarization led to publications in EMNLP'18 and EACL'17. She is also passionate about education and student diversity, and has served as a teaching assistant in CS, Co-President of Lean In at CU, and Academic Chair of CU Womxn in CS.



Lauren Gillespie

Southwestern University

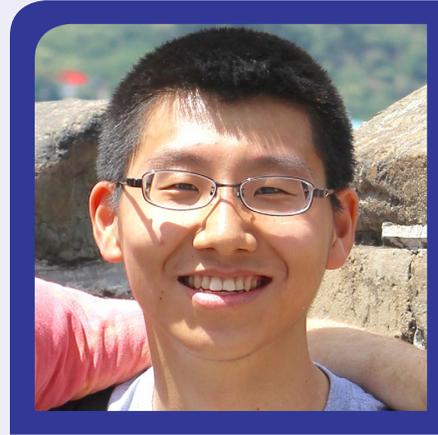
Lauren Gillespie is a senior at Southwestern University majoring in computer science and chemistry. She is interested in how evaluation can generate complex intelligence akin to our own artificial systems. Most recently, she has been studying low-level evolutionary dynamics to understand the influence of changing environments on genes in genetic architectures.



Shyam Narayanan

Harvard University

Shyam Narayanan is a senior at Harvard University majoring in math, computer science, and statistics. His passion for math comes from both the excitement of innovative ideas and new mathematical fields and of the clever tricks manifested in competition math. His goal is to share the love of these two related aspects of math through teaching, both as a teaching fellow for Harvard courses as well as a coach for high school math competitions.

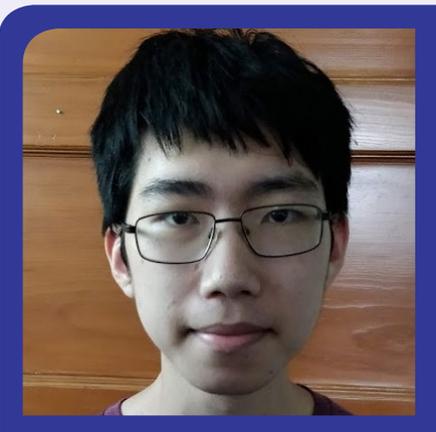


Michihiro Yasunaga

Yale University

Michihiro Yasunaga is a senior at Yale University majoring in computer science and mathematics. His research interests are in natural language processing (NLP) and machine learning, where he has investigated data-driven algorithms for automated analysis of human language. In particular, he has contributed to the fields of automatic text summarization, syntax and semantics, and latent variable models for NLP. His work has led to publications in major NLP and AI conferences such as NAACL'18, EMNLP'18, and AAAI'19.

Runners-up



Ricson Cheng

Carnegie Mellon University

Ricson Cheng is a senior at Carnegie Mellon University majoring in computer science with a minor in machine learning. His research focus is active perception for visual recognition and object manipulation. Currently, he is working toward unsupervised visual representation learning using view prediction.



Emma Lurie

Wellesley College

Emma Lurie is a senior at Wellesley College majoring in computer science and Chinese language and culture. She is interested in algorithmic auditing techniques to investigate the behavior of Google and other platforms' algorithmic news features.



Xinyu Wu

Carnegie Mellon University

Xinyu Wu is a senior at Carnegie Mellon University majoring in computer science and mathematical sciences. She has done significant work in, and is passionate about, theoretical computer science as well as bringing people together to share ideas in a weekly seminar that she set up.



Annie Xie

University of California, Berkeley

Annie Xie is a senior at the University of California, Berkeley majoring in electrical engineering and computer science. Her research lies at the intersections of deep learning, reinforcement learning, and robotics. The goal of her research is to leverage meta-learning and video prediction methods for robotic vision-based control under limited human supervision.



Outstanding Undergraduate Researchers *(continued)*

Finalists

Jackson Abascal

University of Rochester

Maryam Bahrani

Princeton University

Jonah Casebeer

*University of Illinois at
Urbana-Champaign*

Dibya Ghosh

University of California, Berkeley

Noah Golowich

Harvard University

Jenny Hamer

*University of California,
San Diego*

Meena Jagadeesan

Harvard University

Hong Jun Jeon

University of California, Berkeley

Jonathan Lee

University of California, Berkeley

Runliang (Oscar) Li

Duke University

Nelson Liu

University of Washington

Daniele Moro

Boise State University

Eric Neyman

Princeton University

Kimberly Ruth

University of Washington

Tyler Scott

University of Colorado, Boulder

Andrew Vuong

University of Utah

Xuanyu (Ben) Zhou

*University of Illinois
at Urbana-Champaign*

Honorable Mentions

Harrison Brown

Rice University

Timothy Burchfield

University of Notre Dame

Sophia Chan

University of Victoria

Jeff Cho

University of Alberta

Michael Cinkoske

Purdue University

Zachariah Cohen

Princeton University

Trisha Datta

Princeton University

James Dong

University at Texas at Austin

Matthew Eichhorn

University at Buffalo, SUNY

Diego Fabiano

University of South Florida

Grant Fong

Brown University

Hannah Fowler

Texas A&M University

Outstanding Undergraduate Researchers *(continued)*



Han Guo

*University of North Carolina
at Chapel Hill*

Maxine Hartnett

University of Colorado

Edward Huang

*University of Illinois at
Urbana-Champaign*

Grant Iraci

University at Buffalo, SUNY

Isay Katsman

Cornell University

Pathirat Kosakanchit

University of Washington

Rohith Kuditipudi

Duke University

Irene Li

Carnegie Mellon University

Pengyuan Lu

University of Virginia

Sara McAllister

Harvey Mudd College

Luke Miles

University of Kentucky

Andriy Mulyar

Virginia Commonwealth University

Mina Narayanan

Auburn University

Michael Neuder

University of Colorado

Hamed Nilforoshan

Columbia University

Kojin Oshiba

Harvard University

Shyamal Patel

Georgia Tech

Gregor Peach

George Washington University

Rowan Phipps

University of Washington

Prasanna Ramakrishnan

Stanford University

Silei Ren

Brown University

Nicholas Rewkowski

*University of North Carolina
at Chapel Hill*

Nicholas Roberts

University of California, San Diego

Gili Rusak

Stanford University

Omar Sagga

Boston University

Harshay Shah

*University of Illinois at Urbana-
Champaign*

Marilyn Sun

Tufts University

Qiuyue Sun

University of Rochester

Kiran Tomlinson

Carleton College

Hoan Tran

University at Buffalo

Caleb Tung

Purdue University

Jiachen Wang

Vanderbilt University

Ben Weinsel

University of Chicago

Nathaniel Weir

Brown University

Justin Whitehouse

Columbia University

Frederick Xu

Duke University

Euisun (Irene) Yoon

Cornell University

Jung Min (Chris) Yoon

University of British Columbia

Ling Zhang

Purdue University

Ruiqi Zhong

Columbia University

Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2019



By Craig E. Wills, Professor and Department Head, Computer Science Department, Worcester Polytechnic Institute

This work uses the same methodology as work over the past five years to study where Computer Science departments are choosing to invest faculty positions by examining data obtained from advertised faculty searches for the current hiring season. While the number of and areas for faculty searches do not necessarily translate into the same for faculty hires, we believe that they provide insight into current and future needs within the discipline.

We analyzed ads from 409 institutions seeking to fill hundreds of tenure-track faculty positions in Computer Science. There was a small one-year increase in the number of institutions searching but there has been a 83% increase over the five years of our studies. The number of tenure-track positions sought shows a one-year increase of 5% and a 118% increase over the five years.

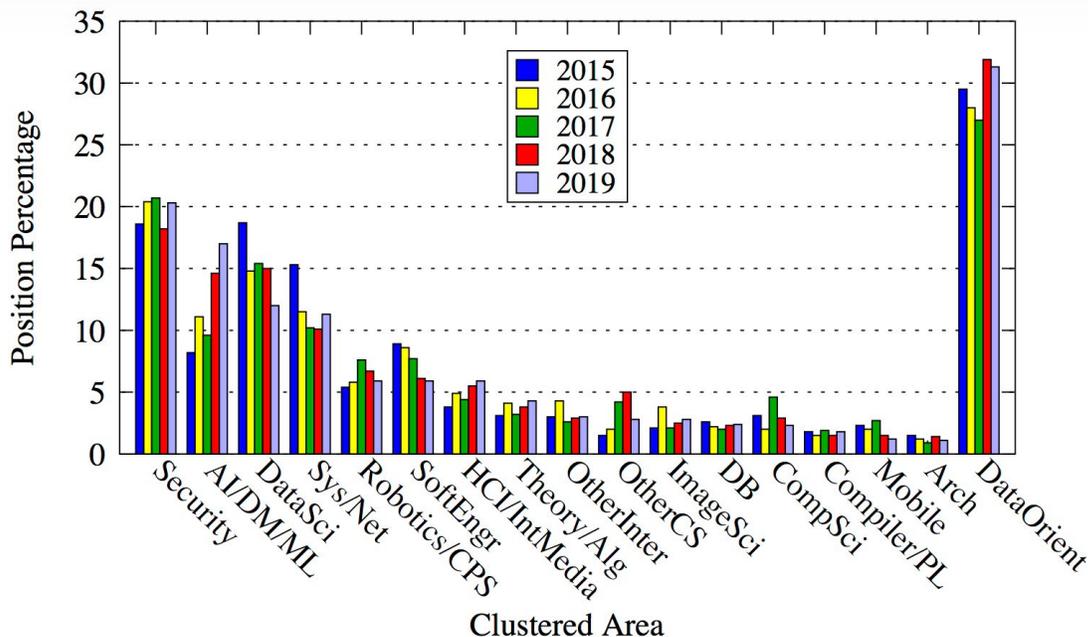
We clustered the specific Computer Science topics mentioned in ads into 16 areas. As part of our work this year we compared this classification with other classifications from the CRA, csrankings.org, csmetrics.org and arXiv.org, which resulted in small adjustments to our classification.

In terms of specific areas, we found that the clustered areas of Security, AI/Data Mining/Machine Learning and Data Science are the areas of greatest investment. Aggregating the Data Science, AI/DM/ML and Databases clusters again resulted in close to one-third of all hires sought in these data-oriented areas. We found that roughly 25-60% of all hires are for areas that are, or may be, interdisciplinary in nature.

Differences are also seen when analyzing results based on the type of institution. Positions related to Security have the highest percentages for all but top-100 institutions. The area of Artificial Intelligence/Data Mining/Machine Learning is of most interest for top-100 PhD institutions. Roughly 35% of positions for PhD institutions are in data-oriented areas. The results show a strong interest in data-oriented areas by public PhD and private PhD, MS, and BS institutions while public MS and BS institutions are most interested in Security.

The full report containing a description of the methodology and the complete results is available at

<http://www.cs.wpi.edu/~cew/papers/CSareas19.pdf>



CRA Board Member Highlight: James Allan

By James Allan



James Allan

of engineering, natural sciences, and social and behavioral sciences, and with the guidance of the associate chancellor for equity and inclusion, I focus on using collaboration as a tool for fostering equity for underrepresented faculty in science and engineering fields. The ADVANCE project centers its research and programming on three essential elements: encouraging research collaboration, creating an inclusive community through mentoring, and promoting shared decision-making and governance at the department level. We call this the R3 model as it strategically uses resources, relationships, and recognition to encourage faculty collaboration and equity.

Outside of my work as chair, I am continuing my almost 30-year research program in Information Retrieval (IR), the science underlying search engines and related technology. One focus of my current work is how IR can support critical literacy by, for example, helping people recognize the agenda of a text's author and a text's broader context.

This is an exciting area of controversy detection research, and we develop algorithms to address the question "Is this a contentious topic?" when a person is looking at a web page or other document. To answer this query, we need to recognize disagreement in different modalities, to identify and describe the different stances of a topic, what the experts and trusted sources say, and how an item fits into the different stances. To analyze a document, we also need to find communities, stances, and styles of authors within or across topics. The analysis is done by determining who or what type of person wrote the text, their agenda, and by deciphering if there is a "style" for contentious text, disinformation, and fake news.

For example, you can find information on the Internet about the Issels treatment, which is described as a "comprehensive immunotherapy for cancer." It is based on the idea that the body's own immune system can be supercharged to get rid of cancer cells. A professionally created web site is quite convincing in its presentation of evidence and patient success stories, and many people reading the site would be willing to give the technique a try. There's just one complication: little evidence suggests that the approach works. The American

My current work focuses on support for critical literacy and efforts to foster new paths for equity in the sciences.

I currently serve as chair of the faculty in the College of Information and Computer Sciences at the University of Massachusetts Amherst. This means that, like most chairs, I divide my time between administrative work supporting our college's faculty, advancing our college, and conducting my own research as co-director of the Center for Intelligent Information Retrieval.

One large effort that I am supporting as chair is an NSF-funded ADVANCE interdisciplinary project at UMass Amherst specifically tasked with supporting the development of an innovative professional advancement model for underrepresented faculty in STEM fields. With colleagues from the UMass Amherst colleges

Board Member Highlight (*continued*)

Cancer Society considers it ineffective and Quackwatch, a well-known debunker of health-care fraud and myths, lists it as a “dubious treatment.” Nonetheless, an unsuspecting reader is likely to be misled into thinking that there is no disagreement about the treatment’s effectiveness.

The aim of our newest project, Mirador, is to provide users with tools that illuminate the broader context of the topic of a single web page. It explores fundamental questions about how controversy can be modeled computationally so that it can be recognized “in the wild.” Also, the model allows an algorithm to extract an explanation of the nature of the controversy. This work will also apply and extend text analysis and comparison techniques.

We are not working specifically to recognize “fake news,” although much of the “fake” material is probably contentious and may indeed be flagged by the algorithms, but instead our goal is to assist people in their critical evaluation of the material and to help them understand why a page is educative or why it is not. Our hope is that they will recognize that a larger discussion is often involved and learn to critically evaluate information in the larger context, both online and offline.

Another project I am working on is a new search-based approach to the NLP challenge of information extraction. SearchIE is intended to allow personalized, situational identification of types (usually entities) in text, types that are of limited or ephemeral

interest, for which it is unlikely resources will be available for massive annotation and learning efforts. The key advantage of SearchIE is that it defers decisions about which types should be identified until the decisions are needed. That allows new types to be searched and extracted at any point and allows types that are specific to a narrow or short-term information need to be identified and extracted, even if they are not of use to all users of the system. Previously, it has been effectively impossible to identify entities automatically unless a substantial effort went into annotating training data. The SearchIE approach makes it possible for someone to build personalized extractors contextualized by their topical interest. Since online information gathering almost always starts with search and frequently involves identifying items of interest in the found text, bringing these two together has the potential to change both search and the found text substantially.

My roles as chair and researcher overlap when faced with the problem of how to broaden participation in IR. While a little more than one third of Ph.D. students in the Center for Intelligent Information Retrieval are women, a lot of work needs to be done to attract and retain women and underrepresented minorities in IR research as well as information and computer sciences more broadly. My hope is that the faculty advancement model I’m helping to develop through UMass Amherst’s NSF ADVANCE project will help to bring a more diverse set of perspectives to our field.

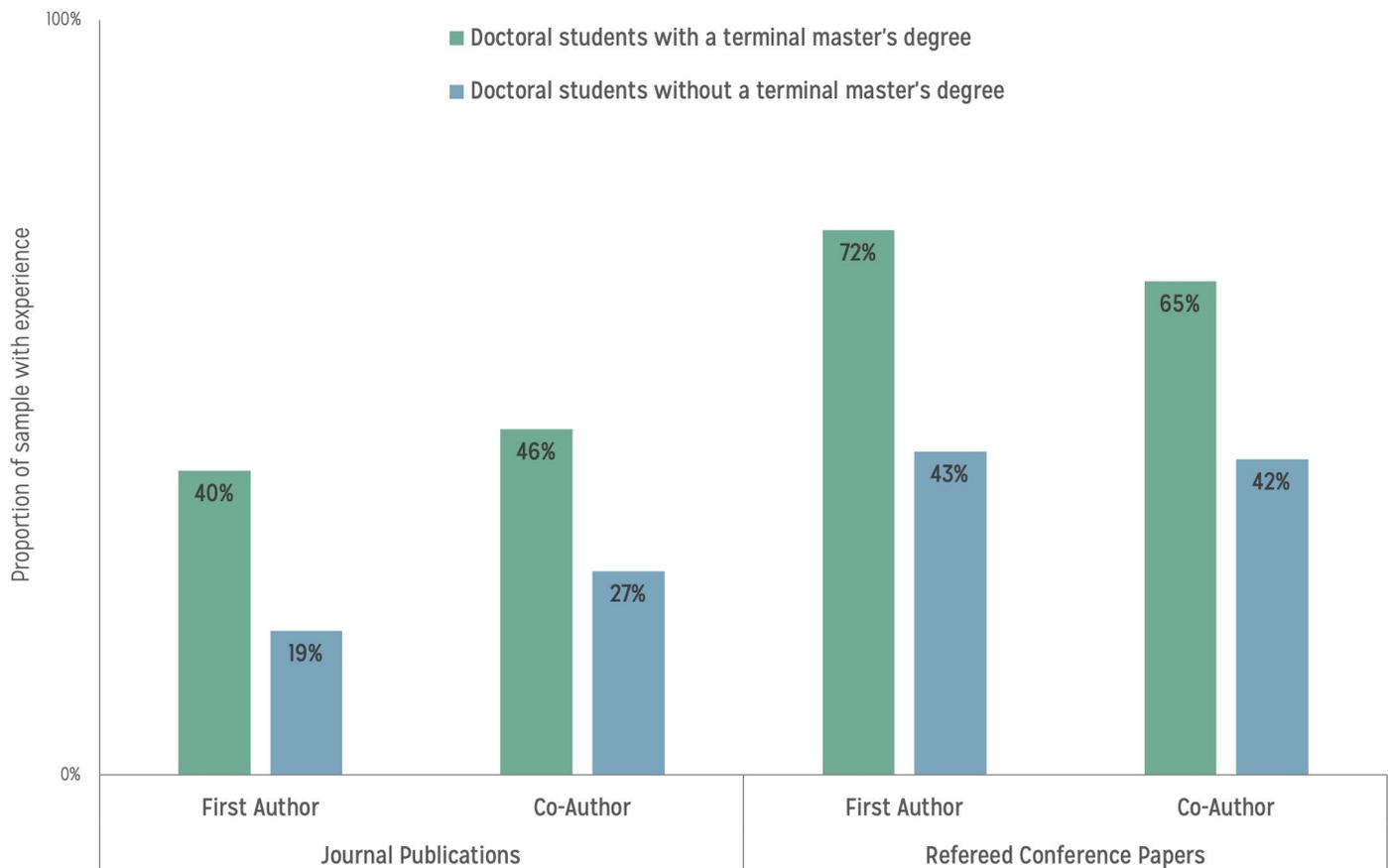
About the Author

James Allan is a professor and chair of the faculty in the University of Massachusetts Amherst College of Information and Computer Sciences (CICS), which he joined in 1994 after receiving a Ph.D. in computer science from Cornell University. He is also the co-director of the Center for Intelligent Information Retrieval within CICS.

Allan has served on the organizing and program committees for major conferences, including the ACM Special Interest Group on Information Retrieval (SIGIR), Conference on Information and Knowledge Management (CIKM), and Web Search and Data Mining (WSDM). He currently serves on the editorial board of *Foundation and Trends in Information Retrieval*, and is a past associate editor for ACM’s *Transactions on Information Systems* and Elsevier’s *Information Processing and Management* journals. With his students, he received Best Paper awards from SIGIR as well as a Best Student Paper at the Conference on Human Information Interaction and Retrieval (CHIIR). He also received a SIGIR Test of Time Award in 2016 for a paper on event detection and tracking.

Does Having a Terminal Master's Degree Prior to a Ph.D. Boost Publication Rate?

By Heather M. Wright, Associate Director of CERP



When undergraduate students earn their degree, they have a decision to make between entering the workforce or [pursing graduate school](#). For those taking the graduate school route, they typically consider a terminal master's degree program or doctoral program. In many cases, they first pursue a terminal master's degree, then apply to a doctoral program. Does having a terminal master's degree make a difference for doctoral students' experiences and outcomes in their degree program? Because one of the major career pathways of Ph.D. recipients is academia, CERP sought to understand whether doctoral students with a terminal master's degree show differences in

measures that are often used as determinants of success in the academy, such as publication production.

Results show that among doctoral students, those with a terminal master's degree are twice as likely to have first author journal publications than those without a terminal master's degree. They are also approximately 1.5 times more likely to have first author refereed conference papers, and to have co-authored journal publications and conference papers. Note that to control for the possibility that students with a terminal master's degree may transfer credits or matriculate



Terminal Master's Degree *(continued)*

further along in their program than those who enter directly from their bachelor's degree, the sample in our analysis was limited to students who have the same graduation date (2018). Please see the Notes section for more details about our sample, measures, and results.

It is important to note that these data do not control for students' future career intentions. It is possible that the

students with a terminal master's degree in our sample have a stronger interest to pursue a academic career. There are also potential differences in our sample's academic institutions, wherein some departments may encourage publication production more strongly than other departments. Nevertheless, these findings indicate that students who earn a terminal master's degree prior to their doctoral studies may be at an advantage in producing publications.

Notes:

The survey data used in this chart were collected during the fall 2017 by CERP via the [Data Buddies Project](#). The sample includes 628 doctoral students who indicated in the survey they expect to graduate from their program in 2018.

Independent variable: Doctoral students indicated whether they completed a terminal master's degree program prior to entering their current degree program using a binary response "yes" or "no." Two-hundred and twenty-one students indicated they had completed a terminal master's degree and $n = 407$ did not complete a terminal master's degree.

Dependent variables: Survey respondents were asked whether they had any of the following four experiences: first author journal publications, co-author journal publications (not first author), first author refereed conference papers, and co-author refereed conference papers (not first author). Survey respondents could indicate either yes or no.

A chi-square test of independence was calculated to compare the proportion of doctoral students with and without terminal master's degrees who had produced first or co-authored publications. Significant interactions were found: doctoral students who completed a terminal master's degree program prior to their doctoral degree were more likely to have (a) first author journal publications, $\chi^2(1) = 32.57, p < .01$; (b) co-author journal publications, $\chi^2(1) = 22.02, p < .01$; (c) first author refereed conference papers, $\chi^2(1) = 48.85, p < .01$; and (d) co-author journal publications, $\chi^2(1) = 31.19, p < .01$.

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

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

Young Researchers: Apply for the Seventh Heidelberg Laureate Forum - September 22-27, 2019



CCC

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By Helen Wright

Who wants to spend a week in beautiful Heidelberg Germany surrounded by the recipients of the **ACM A.M. Turing Award** and the **ACM Prize in Computing**? I do!

In September, I had the unique opportunity to participate as part of the **Heidelberg Laureate Forum** (HLF) international blog team. I got to watch 200 students from around the world have personal conversations about their research with some of the biggest names in our field. The evenings were spent dining in beautiful venues such as the **Technik Museum Speyer** and the **Heidelberg Castle**.

Now it is YOUR chance (or your student's chance) to come to the seventh HLF on September 22 to 27, 2019.



HLF 2018 at Technik Museum Speyer

ACM encourages young computer scientists and mathematicians from all over the world to apply for one of the 200 coveted spots to participate in the Heidelberg Laureate Forum (HLF), an annual event. The HLF offers all accepted young researchers the great opportunity to personally meet the winners of the most prestigious prizes in their fields.

For one week, recipients of the ACM A.M. Turing Award and the ACM Prize in Computing (Computer Science), the Abel Prize (Mathematics), the Fields Medal (Mathematics), and the Nevanlinna Prize (Mathematical Aspects of Information Science) will engage in a cross-generational scientific dialogue with young researchers in Heidelberg, Germany.

The seventh HLF will take place from **September 22 to 27, 2019**. This high-profile event combines scientific, social and outreach activities in an informal atmosphere, and is fueled by comprehensive exchange and scientific inspiration.

Applications must be **submitted online here** by **February 15, 2019**. Read more about how to apply in the **FAQ**. You can also nominate a candidate (on the **registration form**, you will need to enter ACM's organization number; please email **acmhelp@acm.org** to request this number). Successful candidates will be selected by an international committee of experts to ensure that only the most qualified candidates are invited. Those who are accepted will be notified in April.

Please share this broadly and invite everyone to apply. See **my experience from the 2018 HLF here**.

For more information, please visit the **HLF site**.

Nominations Sought for New CCC Council Members



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, and facilitates the development of a bold, multi-themed vision for computing research, and communicates that vision to a wide range of major stakeholders.

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

What do CCC Council members do?

- Shepherd visioning activities
- Participate in topical task forces
- Develop and lead new activities
- Engage with government agencies, industry, and sister organizations (NSF, ACM, Big Data Hubs...)

- Write white papers and blog posts
- Other requests as needed
- Monthly teleconferences
- Three face-to-face meetings each year

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

The CCC carries out its work through an active and engaged **Council**, currently led by **Mark Hill** (University of Wisconsin-Madison) as Chair and **Liz Bradley** (University of Colorado Boulder) as Vice Chair. The members of the Council are appointed by CRA in consultation with NSF, with staggered three-year terms. In the aggregate, the Council must reflect the full breadth of the computing research



CCC

Computing Community Consortium
Catalyst

Nominations *(continued)*

community – research area, institutional character, geographic diversity, etc. The Council is fully supported by a dedicated staff at CRA, led by Director **Ann Drobnis**.

The CCC's Nominating Subcommittee invites nominations (including self-nominations) for members to serve on the CCC Council for the next three years, beginning July 1, 2019.

Please send nominations, together with the information below, to ccc-nominations@cra.org by **11:59pm EST on Friday, February 1, 2019**. The subcommittee's recommendations will serve as input to CRA and NSF, who will make the final selection. Please include:

- Name, affiliation, and email address of the nominee.
- Areas of research expertise.
- Previous significant service to the research community and other relevant experience, with years it occurred (no more than *five* items).
- A brief biography or curriculum vitae of the nominee.
- The names and contact information (email and phone) for 2-3 people who would be knowledgeable about the nominee's potential for such a service role.
- A statement from the nominee of less than one page, supporting his or her nomination by describing his or her ideas for, and commitment to, advancing the work of the CCC in encouraging new research directions, engaging broader communities, and finding wider funding sources.

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

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



2020 Census and Differential Privacy

By CCC Staff, Dan Lopresti, and Sampath Kannan

There is a conundrum between statistical access to data and privacy.

The computing community has been working on this problem for years and came up with differential privacy as a solution, which is being implemented in the 2020 census, as described in this [Computing Community Consortium \(CCC\) white paper on Privacy-Preserving Data Analysis for the Federal Statistical Agencies](#), and this [recent NY Times article](#). The CCC is now working on similar issues in fairness with a workshop on [Fair Representations and Fair Interactive Learning](#). See the [corresponding workshop report here](#).

The NY Times article, however, perhaps portrays a confusing picture with its title “To Reduce Privacy Risks, the Census Plans to Report Less Accurate Data.” Readers could read the story as being about the Federal Government ‘making up fake data or results’. However, we in the community know that there is an essential trade-off between privacy and accuracy, as the research on differential privacy shows. Later in the article, they do a good job describing it as “[differential privacy] determines the amount of randomness – “noise” – that needs to be added to a data set before it is released, and sets up a balancing act between accuracy and privacy. Too much noise would mean the data would not be accurate enough to be useful – in redistricting, in enforcing the Voting Rights Act or in conducting academic research. But too little, and someone’s personal data could be revealed.”

Former CCC Council member and one of the inventors of differential privacy, [Cynthia Dwork](#) from Harvard University and [John Abowd](#), the Associate Director for Research Methodology at the Census Bureau, who helped co-author the related CCC white paper are both quoted in this article.

Dwork said that differential privacy is “tailored to the statistical analysis of large data sets.” Abowd explained in the article that the bureau will announce the trade-off it has chosen for data publications from the 2018 End-to-End Census Test it conducted in Rhode Island, the only dress rehearsal before the actual census in 2020.

Trade-offs between two laudable but contradictory goals are common in computer science, of course, as are outcomes that can sometimes seem counter-intuitive, especially to those coming from outside the field. Differential privacy is an important step forward in an era of big data where many of our daily activities can be captured and mined, and provides an educational opportunity for the computing research community as the general public begins to become aware of its use in applications such as the upcoming Census.

See [the full NYT article here](#) and [Abowd’s presentation from Thursday’s announcement here](#).

Forbes' America's Top 50 Women in Tech List



Three CRA contributors were recently recognized on Forbes' America's Top 50 Women in Tech list. From Forbes: "The Top 50 Women In Tech is an unranked assessment of technologists in five categories: Moguls, Founders, Innovators, Engineers and Warriors. The list showcases the breadth and depth of entrepreneurial women who are changing the world."



Ayanna Howard
Georgia Tech
CRA and CRA-W Board Member



Maria Klawe
Harvey Mudd College
Former CRA Board Member and one of the Founders of CRA-W



Tal Rabin
IBM
Former CCC Council Member



TAULBEE SURVEY DEADLINE EXTENDED TO JANUARY 28

The due date for the main section of the CRA Taulbee Survey is extended to January 28 for all participants.

As always, thanks for your work on the survey, and please contact Betsy Bizot (bizot@cra.org or 202-266-2943) if you have any questions.

View the full list at: <https://www.forbes.com/top-tech-women-america/list/>.

AAAS Honors 2018 Elected Fellows

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

CRA BOARD TREASURER

Ronald J. Brachman

Jacobs Technion-Cornell Institute at Cornell Tech

FORMER CRA BOARD MEMBER AND CCC CHAIR

Gregory D. Hager

Johns Hopkins University

FORMER CCC COUNCIL MEMBERS

Vasant G. Honavar

Pennsylvania State University

Katherine A. Yelick

University of California, Berkeley/Lawrence Berkeley National Laboratory

CRA-E AND CRA-W CONTRIBUTOR

Patricia Morreale

Kean University

CCC AND CRA-W CONTRIBUTOR

Lynne E. Parker

University of Tennessee, Knoxville

The 2018 Fellows will be recognized at the 2019 AAAS Annual Meeting. View the full list of elected Fellows at:
<https://www.aaas.org/news/aaas-honors-accomplished-scientists-2018-elected-fellows>.

Congratulations to the 2018 ACM Fellows

ACM recently named 56 of its members as ACM Fellows for transformative contributions and advancing technology in the digital age. The Fellows are being honored for significant contributions in areas including computer architecture, mobile networks, robotics, and systems security.



From the ACM press release:

The accomplishments of the **2018 ACM Fellows** underpin the technologies that define the digital age and greatly impact our professional and personal lives. ACM Fellows are composed of an elite group that represents less than 1% of the Association's global membership.



Sandhya Dwarkadas

University of Rochester

For contributions to shared memory and reconfigurability (CRA-W board member)



Charles Lee Isbell

Georgia Institute of Technology

For contributions to interactive machine learning; and for contributions to increasing access and diversity in computing (CRA board member)



David Parkes

Harvard University

For contributions to computational markets, including novel mechanism design and incentive engineering methods (CCC Council member)

Congratulations to all of the 2018 Fellows. Click [here](#) for the full list and [here](#) to view a CCC article on the 2018 ACM Fellows.

ACM will formally recognize its 2018 Fellows at the annual awards banquet, to be held in San Francisco on June 15, 2019. Additional information about the 2018 ACM Fellows, and the awards event, as well as previous ACM Fellows, is available through the [ACM Fellows site](#).



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Community Consortium

Column Editor

Expanding the Pipeline
Patty Lopez, Intel

Aarhus University

Call for Assistant Professors (tenure-track) or Associate Professors in Computer Science 1009431

The Department of Computer Science (www.cs.au.dk) at Aarhus University is looking for excellent and visionary tenure track Assistant Professors or Associate Professors to push the frontiers of Computer Science research. Aarhus University - an international top-100 University - has made an ambitious strategic investment in a 5-year recruitment plan to radically expand the Department of Computer Science. Therefore, the University is seeking researchers driven by excellence in research and visions for the future digitalization agenda, to join the department and collaborate with our world-class researchers.

The positions are open from 1 June 2019.

[Read the full job description and apply online here](#)

Application deadline: 6/1/2019

Allegheny College

Assistant Professor in Digital Humanities/Computer Science

Allegheny College invites applications for a full-time, tenure-track position at the intersection of the computer sciences and the arts, humanities, and/or social sciences, beginning in August 2019. Ideal candidates will have a Ph.D. or MFA or commensurate

industry experience in information technologies, with demonstrated success teaching introductory computer science courses and an active interdisciplinary research agenda.

The successful candidate will be expected to teach courses in computer science and in another area of expertise in the humanities and/or social sciences as well as in the college-wide first-year/sophomore seminar program. The teaching load is six courses per academic year (with a one-course reduction in the first year). The chosen candidate will receive laboratory space for teaching and research and access to funding for research with students.

Allegheny College is a highly selective private liberal arts college in NW Pennsylvania with an increasingly diverse student body and a dedicated faculty of teacher-scholars. Allegheny College is deeply committed to creating an inclusive community that actively challenges racism, sexism, heterosexism, religious bigotry, and other forms of bias (see [Allegheny College Statement of Community](#)). Women, veterans, individuals with disabilities, and members of other underrepresented groups are highly encouraged to apply.

The successful candidate will join an entrepreneurial and vibrant community composed of dedicated teachers, active researchers, and diverse learners, and contribute to an innovative and recently enhanced computer



Assistant Professor College of Arts & Sciences Department of Mathematics and Computer Science Computer Science Specialty

ABOUT ADELPHI:

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

JOB SUMMARY:

Adelphi University invites applications for a tenure-track assistant professorship in Mathematics and Computer Science with a computer science specialty to begin Fall, 2019. The successful applicant will join an active, engaged, and collegial department. For more information about the department, visit <https://math-computer.adelphi.edu/>. The department offers majors in Mathematics and in Information Systems. The usual teaching load is 18 credits per academic year. Adelphi University is committed to encouraging faculty research by offering opportunities for research reductions and summer grants.

RESPONSIBILITIES:

- Teaching a broad range of major courses (both undergraduate and graduate).
- Development of a research program in her/his area of specialization,
- Commitment to teaching students from diverse cultural backgrounds and excellent potential as a teacher.
- Potential to develop a fundable independent research program involving undergraduate and master's students.
- Service on University committees.

QUALIFICATIONS:

- Doctoral degree in Computer Science or a closely related field is required within one year of appointment.
- Affinity and/or experience in computer security or digital forensics is strongly preferred.

APPLICATION:

- Applicants must upload their application online at <http://apptrkr.com/1320412> and submit the following (merged into one document): cover letter, CV, statement of teaching interests and philosophy, statement of research background and interests, and three letters of recommendation, at least one of which addressing teaching effectiveness.
- Deadline for applications: December 17, 2018 for full consideration.
- Initial interviews will be conducted at the 2019 Joint Mathematics Meetings in Baltimore, MD, in January, 2019. Please indicate in your cover letter if you will be attending.

DIVERSITY:

Adelphi University is an equal opportunity/affirmative action employer committed to building a diverse workforce and strongly encourages applications from women, under-represented groups, members of the LGBT community, people with disabilities and veterans.

science curriculum and the Integrative Informatics program. Allegheny faculty, students, and alumni have strong connections to top-tier academic institutions and industry-leading corporations and we are located near Pittsburgh, a city recently described as having a viable path to becoming one of America's leading hubs for technology startups.

Learn more about Allegheny College at <https://www.allegheny.edu> and about the Department of Computer Science at <https://www.cs.allegheny.edu>. Interested candidates should send a letter of application, curriculum vitae, statement of teaching and research interests, a diversity statement (describing how you have or could incorporate diversity, equity, and inclusion into your teaching, research, and/or service), applicable transcripts, and arrange to have three reference letters sent to: Search Chair, Dr. Janyl Jumadinova, care of Pauline Lanzine, search2018@allegheny.edu. Review of applications will begin January 15, 2019 and continue until the position is filled. Allegheny College is an Equal Opportunity Employer with a strong commitment to diversity, equity, and inclusion. We encourage applications from candidates who share this understanding and will contribute to the diversity of our community. Allegheny College does not discriminate on the basis of race, color, religion, gender, gender identity, gender expression, sexual orientation, age, disability, or national origin.

Arizona State University

Professor (All Ranks) Theoretical foundations of Distributed Systems

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seek applicants for tenure-track/tenured faculty positions in Theoretical Foundations of Distributed Systems in the School of Computing, Informatics, and Decision Systems Engineering (CIDSE). Researchers with interests in the theoretical aspects of distributed systems, algorithms, and computation (broadly defined) are encouraged to apply. Areas of interests include, but are not limited to, blockchain protocols, game-theoretic approaches to distributed computing, secure multiparty computation and cryptography, biologically-inspired distributed algorithms, resilient distributed systems, Internet of Things (IoT), and other emerging areas of distributed computing.

The distributed algorithms and systems, and the network algorithms and optimization groups in the School of Computing, Informatics, and Decision Systems Engineering includes faculty working on a variety of topics spanning the theoretical aspects and the more applied sides of distributed systems, including bio-inspired collective algorithms, blockchain, cloud computing, crowdsensing, cybersecurity, network algorithms and optimization, self-organizing and self-stabilizing distributed systems, and survivable networks. Extensive collaborations exist with other world-class groups within our school

and across the university, including the AI group, the Cybersecurity group, the Robotics group, the DHS Center for Accelerating Operational Efficiency, the BioDesign Institute, and the Global Institute of Sustainability.

Required qualifications: Earned Ph.D. or equivalent in computer science, computer engineering, algorithms, distributed systems, parallel and distributed computing or related field by the time of employment. Demonstrated evidence of excellence in research and teaching as appropriate to the candidate's rank. Desired qualifications (junior level): Commitment to teaching at both the graduate and the undergraduate levels, strong record of publications in top-tier venues and the potential for establishing an externally funded research program. Desired qualifications (senior level): Record of high-quality teaching and a record of acquiring external funding and publication in top-tier journals/conferences with real-world 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 2019.

Review of applications will begin December 14, 2018; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at <https://hiring.engineering.asu.edu/>. Candidates will be asked to submit the following through their Interfolio Dossier:

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

For further information or questions about this position please contact Professor Guoliang Xue at xue@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/>

Arizona State University

Professor (all ranks) in Computer Science & Biodesign Institute

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

We seek applicants who will contribute to our programs and expand collaborations between the Biodesign Institute and FSE. Located in Tempe with easy access

to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, adopt innovative educational practices in graduate and undergraduate education, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities within the university, in the professional community and at a national level.

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

Appointments are expected to begin August 2019 at the rank of Assistant Professor, although exceptional candidates at other ranks will be considered. The tenure home may be in any of the Fulton Schools of Engineering, although the School of Computing, Informatics and Decision Systems Engineering is currently the most involved in the interest areas of the search. Teaching responsibilities will be to the School to which the candidate is appointed, and the research program will be closely tied to Biodesign CBSS.

Applications should clearly address the candidate's teaching qualifications and experience relevant to a particular FSE program. Candidates are invited to submit an optional Diversity Statement, outlining their experience and commitment to enhancing diversity and access to education, and working broadly with diverse communities.

Review of applications will begin December 14, 2018; if not filled reviews will occur every two weeks thereafter until search is closed. Apply at <https://hiring.engineering.asu.edu>, candidates will be asked to submit the following through their Interfolio Dossier:

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

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

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

Arizona State University

Data-Driven Design and Management of Complex Systems

The School of Computing, Informatics, and Decision Systems Engineering (CIDSE) at Arizona State University (ASU) is seeking an outstanding scholar, educator and innovator for a tenured/tenure-track faculty position in data-driven design and management of complex systems. Applicants with interest in Smart Manufacturing are especially encouraged to apply, but the applicant's potential for excellence and impact are more important than specific area of interest.

Required qualifications: Earned doctorate in Industrial Engineering, Manufacturing Engineering, Computer Science, Statistics, Operations Research or a related field. Demonstrated evidence of excellence in research and teaching through external funding, publication in top tier journals and innovative pedagogy as appropriate to the candidate's rank. Desired qualifications: Commitment to a collaborative, transdisciplinary approach to research and teaching.

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. The successful applicant will join other faculty members as part of CIDSE's Data Science initiative.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2019.

Review of applications will begin December 14, 2018; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at <https://hiring.engineering.asu.edu/>. Candidates will be asked to submit the following through their Interfolio Dossier:

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

For further information or questions about this position please contact Professor Ronald Askin at (ron.askin@asu.edu)

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Arizona State University

Professor (All Ranks) High Performance Big Data Systems

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) seeks applicants for tenure-track/tenured faculty positions in big/fast/scalable data systems. Areas of interest include high performance and scalable systems to support management, processing, and analytics of massive, heterogeneous, and real-time data sets, through innovations in database systems, distributed systems, operating systems, storage systems, and networking systems. Candidates with application interest in one or more of our key research thrust areas of Health, IoT, and Sustainability are particularly encouraged to apply.

CIDSE currently houses ASU's Center for Assured and Scalable Data Engineering (<https://cascade.asu.edu/>), Center for Cybersecurity and Digital Forensics (<https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics>), and Center for Accelerating Operational Efficiency (<https://caoe.asu.edu/>) and have faculty working on a variety of relevant topics including in data management, data mining and machine learning, high performance computing, data storage, data security, and information visualization. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

Required qualifications: Earned PhD or equivalent in Computer Science, Computer Engineering, High Performance Computing, Big Data Systems 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: Publications in top-tier journals/conferences, a commitment to participating on and/or leading transdisciplinary teams addressing problems of high societal impact, and for applicants to senior positions, a record of acquiring external funding.

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 2019.

Review of applications will begin December 14, 2018; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at <https://hiring.engineering.asu.edu/>. Candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter
- Current CV
- Statement describing research interests
- Statement describing teaching interests

- (Optional) A short diversity statement
- Contact information for at least three references

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

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Arizona State University

Lecturer in Computer Science and Engineering

The School of Computing, Informatics, and Decision Systems Engineering (CIDSE) in the Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for two, full-time lecturer positions beginning Fall 2019. These positions are in primary support of the Computer Science & Engineering programs, but lecturers are expected to support the instructional mission of all CIDSE programs. CIDSE has locations on the Tempe and Polytechnic Campuses so some travel between locations should be expected. In addition, CIDSE has an online presence and all faculty participate in the creation of curriculum and delivery of

instruction in the online modality. This is a non-tenure track appointment at the rank of Lecturer with a renewable fixed-term academic year contract. Opportunities exist to augment the academic year salary by assisting with summer instruction.

The successful candidates for these positions will have a demonstrated record of excellence in teaching a broad range of Computer Science & Engineering subjects including but not limited to: computer architecture and systems, computer networks, operating systems, digital system design and synthesis, software engineering, programming languages and compilers, and database systems. Lecturers also contribute to the service mission of the programs through student outreach activities, serve on committees, and industry engagement activities in support of CIDSE. Faculty are also expected to remain engaged through professional development and external services.

A minimum of a M.S. in Computer Science, Software Engineering, Computer Engineering or a related discipline is required by the time of appointment. Preference will be given to those candidates with a PhD or near completion of a PhD by the time of appointment with proven teaching skills in undergraduate education in both full-immersion and digital immersion formats. Professional experience in the areas of software application and systems development and a commitment to work collaboratively with a diverse student population is also desirable.

Review of applications will begin January 15, 2019; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. 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 teaching interests
- Evidence of excellence in teaching and innovation
- Evidence of curriculum and/or program development
- Contact information for at least three references

For further information or questions about these positions please contact Dr. Baoxin Li at baoxin.li@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/>.

Arizona State University

Lecturer (all ranks) in Computer Science

The School of Computing, Informatics, and Decision Systems Engineering (CIDSE) in

the Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for a full-time lecturer position beginning Fall 2019. CIDSE has locations on the Tempe and Polytechnic Campuses so some travel between locations should be expected. In addition, CIDSE has an online presence. This is a non-tenure track appointment with a fixed term academic year contract. Appointments will be made at the rank of Principal Lecturer, Senior Lecturer or Lecturer commensurate with the candidate's experience and accomplishments. Opportunities exist to augment the academic year salary by assisting with summer instruction.

The successful candidate for this position will have a demonstrated record of excellence in teaching that incorporates active learning, good knowledge of Big Data, programming languages, Cybersecurity, and Software engineering. Lecturers also contribute to the service mission of the programs through student outreach activities, service on committees, and industry engagement activities in support of CIDSE. Faculty are also expected to remain engaged through professional development and external services.

A minimum of a M.S. in Computer Science, Software Engineering, Computer Engineering or a related discipline is required by the time of appointment. Preference will be given to those candidates with a PhD or near completion PhD by the time of appointment with proven teaching skills in online format and a commitment to work collaboratively with a diverse student population is also desirable.

Review of applications will begin January 15, 2019; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. 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 teaching interests
- Evidence of excellence in teaching and innovation
- Evidence of curriculum and/or program development
- Contact information for at least three references

For further information or questions about this position please contact Dr. Sandeep Gupta at (Sandeep.Gupta@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/>.

Arizona State University

Lecturer in Software Engineering

The School of Computing, Informatics, and Decision Systems Engineering (CIDSE) in

the Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for a full-time lecturer position beginning Fall 2019. This position is in primary support of the Software Engineering M.S. and B.S. programs on ASU's Polytechnic Campus, but lecturers are expected to support the instructional mission of all CIDSE programs. CIDSE has locations on the Tempe and Polytechnic Campuses so some travel between locations should be expected. In addition, CIDSE has an online presence and all faculty participate in the creation of curriculum and delivery of instruction in the online modality. This is a non-tenure track appointment at the rank of Lecturer with a renewable fixed-term academic year contract. Opportunities exist to augment the academic year salary by assisting with summer instruction.

The successful candidate for this position will have a demonstrated record of excellence in teaching that incorporates active and project-based learning plus an extensive knowledge of software engineering. Lecturers should have the ability to teach in multiple areas across the curriculum, including data structures and algorithms, programming languages, software security and information assurance, web and mobile applications, and computer systems and networks. Lecturers also contribute to the service mission of the programs through student outreach activities, serve on committees and in industry engagement activities in support of CIDSE. Faculty are also expected to remain engaged in professional development and external service.

A minimum of a M.S. in Computer Science, Software Engineering, Computer Engineering or a related discipline is required by time of the appointment. Preference will be given to those candidates with a Ph.D. or near completion of a Ph.D. by time of the appointment with proven teaching skills in undergraduate education in both full-immersion and digital immersion formats. Professional experience in the areas of software application and systems development and a commitment to work collaboratively with a diverse student population is also desirable.

Review of applications will begin January 15, 2019; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. 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 teaching interests
- Evidence of excellence in teaching and innovation
- Evidence of curriculum and/or program development
- Contact information for at least three references

For further information or questions about this position please contact Dr. Kevin Gary at (kgary@asu.edu)

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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/>.

Arizona State University

Associate Professor in AI and Natural Language Processing

The Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) seeks applicants for an Associate Professor position in Artificial Intelligence and Natural Language Processing (both speech and text). All aspects of AI will be of interest including its theoretical foundations, such as knowledge representation, adversarial learning, sparse learning, optimization methods, and reinforcement learning, and its interdisciplinary applications in medicine, business, and education. 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, Department of Biomedical Informatics, the Bio-Design Institute, School of Criminology and Criminal Justice and the Center for the Study of Religion and Conflict. The current opening is intended to broaden this expertise and expand collaborations.

Required qualifications: Earned PhD or equivalent in Computer Science, Operations Research, Software Engineering, or a closely related field. 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.

The appointment will be at the Associate Professor rank beginning August 2019.

Review of applications will begin January 2, 2019; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at <https://hiring.engineering.asu.edu/>, candidates will be asked to submit the following through their Interfolio Dossier:

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

For more information or questions about this position, please contact the search committee chair, Dr. Chitta Baral 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/>

Arizona State University

Two Postdoctoral Positions in Logic Programming

Two postdoctoral positions at Arizona State University to build a logic-based platform to accelerate growth of high-quality, reproducible biological data. Part of new Biodiversity Data Science Initiative. Collaborative research opportunities in knowledge representation, reasoning, and demonstrating impact for conservation, sustainability, and science publishing. Strong benefits, salary, and interdisciplinary community. Successful candidates must have a Ph.D. in biology, computer science, or related field.

See: https://sols.asu.edu/sites/default/files/job_12575.pdf and https://sols.asu.edu/sites/default/files/job_12643.pdf

Auburn University

Department of Computer Science and Software Engineering

Multiple Faculty Positions in Cybersecurity

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, however 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. Excellent communication skills are required.

We are interested in candidates specializing in all areas related to security, such as AI/machine learning/data science applications to security, blockchain, critical infrastructure protection, cryptocurrency, cybercrime and cyberidentity, cyberinfrastructure protection, digital forensics, reverse engineering, secure cloud, secure mobile systems, secure networks, security enhanced operating systems, secure software engineering, and securing the Internet of Things.

CSSE is home to the Auburn Cyber Research Center (<http://cyber.auburn.edu>), and is affiliated with the McCrary

Institute for Critical Infrastructure Protection and Cyber Systems (<http://mccrary.auburn.edu>). The successful candidates will be associated with both of these organizations. The department currently has 21 full-time tenure-track and six teaching-track faculty members, who support strong undergraduate and graduate programs (M.S. in CSSE, M.S. in Cybersecurity Engineering, M.S. in Data Science and Engineering expected in fall 2019, and Ph.D. in CSSE). Current student enrollment is over 1100 undergraduate and 175 graduate students. Faculty research areas include artificial intelligence, architecture, computational biology, computer science education, cybersecurity, data science, energy-efficient systems, human-computer interaction, Internet of Things, learning science, machine learning, modeling and simulation, multi-agent systems, networks, software engineering and wireless engineering. Further information may be found at the department's home page <http://www.eng.auburn.edu/csse>.

Auburn University is one of the nation's premier public land-grant institutions. It is ranked 52nd among public universities by U.S. News and World Report. 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. Its 2018 enrollment of 30,440 students includes 24,628 undergraduates and 5,812 graduate and professional students. Organized into twelve academic

colleges and schools, Auburn's 1,450 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, 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.

Applicants should submit a cover letter, curriculum vita, research vision, teaching philosophy, and names of three to five references at <http://aufacultypositions.peopleadmin.com/postings/3058>. There is no application deadline. The application review process will begin October 1 2018 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

Multiple Faculty Positions in Data Science & Engineering

Auburn CSSE invites applications from candidates specializing in all areas related to data: analytics, engineering, mining, science and techniques for massive data storage, querying and analysis to solve real-world problems. We seek candidates at the Assistant Professor level, however outstanding candidates at a senior level will also be considered. A Ph.D. degree in computer science, software engineering or a closely related field must be completed by the start of appointment. Excellent communication skills are required.

The department will offer a new joint (with the Department of Mathematics and Statistics) M.S. degree in Data Science & Engineering in fall 2019. Successful candidates will play an active role in this program as well as develop a nationally recognized and extramurally funded research program in Data Science & Engineering.

CSSE is home to the Auburn Cyber Research Center (<http://cyber.auburn.edu>), and is affiliated with the McCrary Institute for Critical Infrastructure Protection and Cyber Systems (<http://mccrary.auburn.edu>). The department currently has 21 full-time tenure-track

and six teaching-track faculty members, who support strong undergraduate and graduate programs (M.S. in CSSE, M.S. in Cybersecurity Engineering and Ph.D. in CSSE). Faculty research areas include artificial intelligence, architecture, computational biology, computer science education, cybersecurity, data science, energy-efficient systems, human-computer interaction, Internet of Things, learning science, machine learning, modeling and simulation, multi-agent systems, networks, software engineering and wireless engineering. Further information may be found at the department's home page <http://www.eng.auburn.edu/csse>.

Auburn University is one of the nation's premier public land-grant institutions. It is ranked 52nd among public universities by U.S. News and World Report. 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, Auburn residents have access to 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 <http://aufacultypositions.peopleadmin.com/postings/3222>. There is no application deadline. The application review process will 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.

Augusta University

Tenure Track and Tenured Positions at the Assistant, Associate, and Full Professor Levels (Job Posting 15140, 15142 - 15146)

The School of Computer and Cyber Sciences at Augusta University was founded in 2017 with the mission to provide high-engagement, state-of-the-art education, and research across its Computer Science, Information Technology, and Cybersecurity disciplines, and with the vision of becoming a national leader in Cybersecurity. The School is embarking on a path of unprecedented growth to become a comprehensive research and education college, with substantial increases in faculty, and graduate and undergraduate enrollment.

Augusta, Georgia, is becoming a primary hub for cybersecurity in the United States, and the area is poised for explosive development. It is located at the center of a number of academic, governmental and corporate partnerships critical to the nation's cyber security, including the U.S. Army Cyber Center of Excellence, the National Security Agency Georgia, the future home of the United States Army Cyber Command, and the nearby Savannah River National Laboratory in South Carolina. The State of Georgia invested \$100M in Georgia Cyber Center at Augusta University, a 167,000-square-foot research and education facility which opened on July 10, 2018 and is home to the School of Computer and Cyber Sciences. The second, 165,000-square building of the Center is under construction to be completed in December of 2018.

Augusta University has embarked on an ambitious, multi-year effort to significantly expand its computing, cybersecurity, and data science activities. Applications are being invited for 12 tenure-track and tenured positions at the Assistant, Associate, and Full Professor levels, with responsibilities to advance education and research in all mainstream areas of computer science and possibly drawing from closely related or emerging fields.

Information about the school and a description of open positions are available on the school website at <http://www.augusta.edu/ccs>.

Applicants must hold a PhD in Computer Science or a related discipline at the time of appointment, have demonstrated

excellence in research, and a strong commitment to teaching. Outstanding candidates in all areas of computer science will be considered with a target appointment date of Fall 2019. Review of applications and candidate interviews will begin December 1 and continue until the positions are filled.

Augusta University

Tenure Track / Tenured Position at the Associate or Full Professor level in Affiliation with Savannah River National Laboratory (Job Opening #15244)

The School of Computer and Cyber Sciences at Augusta University was founded in 2017 with the mission to provide high-engagement, state-of-the-art education and research across its Computer Science, Information Technology, and Cybersecurity disciplines, and with the vision of becoming a national leader in Cybersecurity. The School is embarking on a path of unprecedented growth to become a comprehensive research and education college, with substantial increases in faculty, and graduate and undergraduate enrollment.

Augusta, Georgia, is becoming a primary hub for cybersecurity in the United States, and the area is poised for explosive development. It is located at the center of a number of academic, governmental and corporate partnerships critical to the nation's cyber security, including the U.S. Army Cyber Center of Excellence, the National Security Agency Georgia, the future home of the United States

Army Cyber Command, and the nearby Savannah River National Laboratory in SC. The State of Georgia invested \$100M in Georgia Cyber Center at Augusta University, a 167,000-square-foot research and education facility which opened on July 10, 2018 and is home to the School of Computer and Cyber Sciences. The second, 165,000-square building of the Center is under construction to be completed in December of 2018.

Savannah River National Laboratory (SRNL) is one of the U.S. Department of Energy's 17 national laboratories and is a world leader in science and technology. SRNL offers a unique combination of capabilities, infrastructure, and expertise that are not available anywhere else in the United States. As the designated laboratory for Environmental Management, SRNL has been called upon to provide intellectual leadership and innovative solutions to address complex challenges in environmental stewardship, national security and secure energy manufacturing.

Augusta University and Savannah River National Laboratory jointly established this faculty position to strengthen their relationship and individual capabilities through the use of this collaborative faculty position.

Applicants must hold a PhD in Computer Science or a related discipline at the time of appointment, have demonstrated excellence in research, and a strong commitment to teaching. Candidates must have an established record of leadership excellence. Outstanding candidates in cybersecurity and related areas of

computer science will be considered with a target appointment date of Fall 2019. Review of applications and candidate interviews will begin December 1 and continue until the position are filled.

Information about the school and a description of open positions are available on the school website at <http://www.augusta.edu/ccs>. To be considered as an applicant, the following materials are required: (1) Cover letter, (2) Curriculum vitae including a list of publications, (3) Statement describing research accomplishments and future research plans, (4) Description of teaching philosophy and experience, (5) Names of at least three references

Augustana College

Two Tenure-Track Assistant Professor Positions in Computer Science

Augustana College invites applications for two full-time tenure-track positions in Computer Science at the Assistant Professor rank beginning in August of the 2019-2020 academic year. Details about how to apply for these positions, Augustana College, our expectation of the faculty, the selection process and the Quad Cities all are available at the Faculty Search website: <http://www.augustanafaculty.org>.

Review of applications for [search #105-19](#) will begin November 27, 2018 and continue until the positions are filled.

Belmont University

Assistant Professor of Computer Science

Belmont University has a position open for an Assistant Professor of Computer Science.

Please visit <http://www.belmont.edu/math/CompSci%20Ad.html> for details.

Bentley University

Tenure Track Assistant/Associate Professor, Computer Information Systems

SUMMARY:

The Department of Computer Information Systems (CIS) at Bentley University invites applications for a tenure track position at the assistant or associate professor level starting in the fall of 2019.

The CIS department offers programs at the undergraduate and master's levels and contributes courses to several other programs at Bentley including the undergraduate general education core and the graduate analytics core. The main areas of teaching include data analytics, applied machine learning, applied artificial intelligence, cybersecurity, business intelligence, database management, enterprise architecture, computing and communication infrastructure, web & mobile technologies, application development, and IT project management. The CIS faculty's scholarship encompasses several areas of Information Systems and Computer Science (see <http://bit.ly/bentley-cis-faculty>). CIS faculty research receives external funding and appears in leading publication outlets.

We strongly encourage applications from persons from underrepresented groups, individuals with disabilities, covered veterans and those with diverse experiences and backgrounds. We strive to create a campus community that welcomes the exchange of ideas, and fosters a culture that values differences and views them as a strength in our community.

Located 12 miles west of Boston in Waltham, Massachusetts, Bentley University is one of the nation's leading business schools, dedicated to preparing a new kind of business leader with the technical skills, global perspective and ethical standards required to make a difference in an ever-changing world. The university enrolls approximately 4,000 undergraduate and 1,000 graduate students. The Princeton Review ranks Bentley #1 in the United States in career services and #4 in internships, and Bloomberg BusinessWeek ranked Bentley a Top 10 undergraduate business school in 2016.

MINIMUM QUALIFICATIONS:

The department is seeking applicants with a PhD in Information Systems, Computer Science, or a related field. A qualified candidate should have an excellent record of accomplishments in both research and teaching appropriate for the candidate's level of experience and will be expected to contribute to the CIS department's mission of educating technically adept information systems professionals and advancing the state of research at the intersection of business and digital technologies.

SPECIAL INSTRUCTIONS TO APPLICANTS:

You will need to upload a resume/ curriculum vitae, a cover letter, a reference list of three people, a research statement, and a statement of teaching philosophy. Names and contact information for three references are required upon application. Bentley will contact these confidential references for those candidates moving forward in the process. Review of applicants will start immediately and will continue until the position is filled. For questions, contact Dr. David Yates (CISRecruiting@bentley.edu).

APPLICATION INSTRUCTIONS:

To apply to this position, please submit an online application directly to: https://bentley.wd1.myworkdayjobs.com/faculty/job/Bentley-Campus/Tenure-Track-Assistant-Associate-Professor-Computer-Information-Systems_R0000066

Boston College

Postdoctoral Researcher

The Department of Computer Science at Boston College invites applications for two postdoctoral positions in natural language processing, speech signal processing, or computational cognitive modeling beginning January 2019. The post doc will work on one of two externally-funded projects: (1) computational analysis of language of individuals with neurological disorders; (2) ASR for documenting endangered languages.

Required minimum qualifications:

- PhD in computer science, computational linguistics, linguistics, or an allied field
- Advanced coursework in machine learning, NLP, speech signal processing
- Previous publications in NLP & venues

Additional preferred qualifications:

- Experience mentoring or supervising undergraduate researchers
- Graduate coursework or research experience in theoretical linguistics, statistics, bioinformatics, psychology, or computer vision.
- Research experience with low-resource languages

Applicants should submit the following via email to Prof. Emily Prud'hommeaux at prudhome@bc.edu:

- Cover letter explaining the applicant's interest in and suitability for the position
- CV (with references of all publication)
- Research statement (2-3 pages)
- Names, affiliations, and email addresses of 3 references

Brown University

Assistant Professor

The Data Science Initiative at Brown University seeks applications for several tenure-track assistant professor positions in the area of data science. We are particularly interested in candidates who work on the foundations of data science, societal impact of data science, or have

a strong interdisciplinary orientation and will connect with the departments of Applied Mathematics, Biostatistics, Computer Science, Mathematics, or other relevant units at Brown.

A strong research record and teaching skills are required. Successful candidates will be faculty in the Data Science Initiative with their tenure home in a Brown department. The start date for these positions is July 1, 2019.

Inquiries about these positions should be addressed to dsi-info@brown.edu. Please read more about Brown's DSI at dsi.brown.edu.

To receive full consideration, complete applications should be received by December 3, 2018. Applications received after this date may still be considered at the discretion of the search committee. Please apply on Interfolio: apply.interfolio.com/56919

Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

Brown University Department of Computer Science

Faculty Positions Available

The Department of Computer Science at Brown University seeks applicants for multiple faculty positions in Computer Science. We invite applications at all ranks (with a preference for junior and mid-career candidates) and from all areas of Computer Science, especially those whose work has strong societal and social impact. The preferred starting date for these positions is July 1, 2019. In selecting candidates, we will consider quality of research, teaching, and compatibility with the needs and interests of the department.

These positions are a part of a major expansion plan for the department as it plans to increase its faculty roster by 50% over the next five years. While many of these positions will be used to strengthen and expand core CS areas, some will be used to build bridges with other campus disciplines to facilitate interdisciplinary research and teaching.

The department has 28 tenure-stream and 3 research faculty members, 2 lecturers, and several adjunct and visiting faculty members. In addition to its strong graduate program, the department has a strong undergraduate culture, anchored by a mature, endowed program for undergraduate teaching and research assistants. Department members frequently take advantage of Brown's interdisciplinary culture via collaborations

with numerous other Brown units including Applied Mathematics, Biology, Brain Sciences, Cognitive Linguistic and Psychological Sciences, Economics, Engineering, Mathematics, Medicine, Public Health, Public Policy, and Visual Arts, as well as the Rhode Island School of Design. CS is a founding partner and plays key roles in major university-wide programs and initiatives including Data Science, Humanity Centered Robotics, Cybersecurity, and Computational and Molecular Biology.

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

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

Junior applicants must have completed all requirements for the doctoral degree by the start of the position. The initial appointment as assistant professor is for four years and is renewable. Applicants for a junior position must submit three letters of reference, and applicants for senior positions should submit five names of references whom the committee may contact. 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 November 1, 2018 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/56281>).

Inquiries may be addressed to: faculty_search_2019@lists.cs.brown.edu.

Bryn Mawr College

*Tenure Track Assistant Professor,
Computer Science*

The Department of Computer Science at Bryn Mawr College invites applications for a full-time, tenure-track Assistant Professor position to begin August 1, 2019. We welcome applications from all areas. Candidates in the areas of theory,

algorithms, or systems are especially encouraged to apply (such as Complexity, Algorithms, Operating Systems, Computer Architecture, Distributed Systems, Computer Networks). The successful candidate must demonstrate a strong commitment to excellence in undergraduate teaching and establish an active and successful research program. The candidate will be expected to teach courses at all levels of the undergraduate program in computer science, mentor student research and contribute broadly to the academic life of the department and the College. Candidates must have completed all Ph.D. requirements by the start date.

To apply for this position, candidates must submit a cover letter, curriculum vitae, teaching philosophy and research statement by November 26, 2018 to the Computer Science Search Committee via Interfolio at: <https://apply.interfolio.com/55716>. In addition, arrange for three letters of recommendation to be submitted via Interfolio to the Computer Science Search Committee. Applications received by November 26, 2018 will receive full consideration. Bryn Mawr College is an equal-opportunity employer; candidates from underrepresented groups and women are especially encouraged to apply.

Cal Poly San Luis Obispo

*Assistant Professor -
Electrical Engineering*

The Electrical Engineering Department and Computer Engineering Program at

Cal Poly, San Luis Obispo, are seeking to hire an Assistant Professor beginning Sept. 12, 2019. Eligible candidates should have subject matter expertise in several sub-disciplines such as electric circuits, electronics, digital circuits, embedded computing systems, communication systems, control systems or signal processing as examples. Candidates with skills and track record to improve student success rates in early division electrical and computer engineering courses are sought for this position.

The College of Engineering at Cal Poly is committed to building a diverse faculty of teacher-scholars who collaborate to provide a multi-disciplinary and hands-on approach to student learning and applied research. We believe that individuals from diverse backgrounds strengthen our programs and positively impact student success. We encourage qualified applicants from all backgrounds to apply for consideration. Cal Poly emphasizes Learn by Doing, which involves extensive lab work and projects in support of theoretical knowledge. Candidates with research or private industry experience are encouraged to apply.

Cal Poly is committed to the teacher-scholar model. As teachers, all faculty members are expected to exhibit strong pedagogic skills and to remain proficient and current in the disciplines. As scholars, faculty members are expected to be engaged in scholarly work that contributes to the prestige of our programs, and the University.

For details, qualifications, and application instructions (online application required), visit www.calpolyjobs.org and refer to requisition #105087. Application review begins January 18, 2019 and will continue until the position is filled. EEO.

California Polytechnic State University

Assistant/Associate Professor In Computer Science And Software Engineering

The Computer Science and Software Engineering Department (CSSE) within the College of Engineering at California Polytechnic State University, San Luis Obispo, CA invites applications for one full-time, academic year, tenure-track Computer Science and Software Engineering faculty position in the area of bioinformatics, at a rank and salary commensurate with the applicant's background and experience. The anticipated start date is September 2019, or possibly January 2020. Duties include teaching undergraduate and master's level courses, supporting and expanding curricular development in Computer Science and Software Engineering, curriculum development in support of the emerging cross-disciplinary program in bioinformatics, pursuing research in one's area of expertise, and providing service to the department, the university, and the community. Strategic priorities of the department for these positions include bioinformatics, computational biology and related areas of study. An earned doctorate (Ph.D.) in Computer Science, Software Engineering, or a

closely related field from an accredited institution or international equivalent is required for appointment. Candidates nearing completion of the doctorate (ABD) will be considered, but must provide proof that the doctorate was completed prior to the start of the appointment. Highly qualified candidates from other areas may also be considered. Candidates with industry experience are encouraged to apply. Cal Poly emphasizes Learn by Doing, which involves extensive lab work and projects in support of theoretical knowledge. The CSSE department is collaborating with a number of other programs on campus to establish a unique Cross-Disciplinary Studies Minor in Bioinformatics. Successful candidate will have an opportunity to take a leadership role in both the curriculum development and administration of the program, as well as in the emerging strategic research collaborations between the CSSE department and the life sciences programs on campus. Cal Poly strongly values diversity and inclusion, especially in the classroom and among its areas of study. This Instructional Faculty search will occur at the same time as a university wide cluster of searches designed to increase curricular coverage of areas related to diversity and inclusion, as well as to promote inclusive teaching strategies across the university. If the successful Instructional Faculty AY candidate's research overlaps with the area of diversity and inclusion, there will be an opportunity to join and support these university efforts. Cal Poly's Computer Science and Software

Engineering Department offers Bachelor's Degrees in Computer Science and Software Engineering, and Master's Degrees in Computer Science. Also, the Computer Science and the Electrical Engineering departments jointly offer a B.S. degree in Computer Engineering.

U.S. News & World Report ranks the Computer Science Department among the top primarily undergraduate public programs in the nation.

For further information about the department, visit <http://www.csc.calpoly.edu> or questions can be emailed to Prof. Alex Dekhtyar, email: dekhtyar@calpoly.edu.

For full details, qualifications and application instructions (online faculty application required), visit WWW.CALPOLYJOBS.ORG and apply to Requisition #104993.

Review Begin Date: December 1, 2018.

California State University, Los Angeles

Department of Computer Science

Assistant Professor of Computer Science

<http://www.calstatela.edu/2019/college-engineering-computer-science-technology/ecst-cs-ttf>

Canisius College

Assistant Professor of Computer Science

The Department of Computer Science at Canisius College located in Buffalo, NY, invites applications for a tenure-

track Assistant Professor of computer science and cybersecurity, beginning fall 2019. Candidates should show a strong commitment to undergraduate teaching and ability to establish and maintain a high-quality research program that involves undergraduate students. Teaching responsibilities will include courses in the field of cybersecurity as well as in computer science at all levels. Additional responsibilities include student advisement and a commitment to departmental and college-wide service.

The Department has a well-established, diverse, and vibrant community of faculty and students that the successful candidate will join. Concern and support for student learning is a cornerstone. This focus on student learning has developed a long history of successful graduates including a winner of an Academy Award for Technical Achievement in Computer

Graphics and a Pulitzer Prize winner. Research with undergraduates is strongly supported and has resulted in many conference presentations. The successful candidate will be an integral part of the development of a new Masters-level program in cybersecurity. Computer Science also supports a Masters-level program in Data Analytics.

Candidates should have earned a Ph.D. by September 2019, candidates who are ABD will also be considered. College level teaching experience is desired. Excellent verbal and written communication skills are essential.

Review of completed applications will continue until the position is filled.

Canisius College, a Catholic and Jesuit university, has as its foundation the fundamental values of academic excellence, leadership, faith, and social

Carnegie Mellon University

CALL FOR FACULTY

The Information Networking Institute at Carnegie Mellon University is soliciting applications for a teaching faculty position in its core technical areas of:

Networking and Mobility

Apply online by December 15, 2018

www.cmu.edu/ini

justice. Canisius is committed to educating and preparing men and women to become leaders in their professions and their communities, and in service to humanity. The college is an equal opportunity employer committed to recruiting, supporting, and fostering a diverse community of outstanding faculty, staff and students. The department is enthusiastic about this mission and committed to faculty diversity.

To apply <https://www.canisius.edu/about-canisius/employment-canisius> and click on [View Current Employment Opportunities](#). Applicants must submit their cover letter (Dr. Jeffrey J. McConnell, Chair-Computer Science), curriculum vitae, unofficial transcripts, teaching philosophy, and research statement with their application.

Case Western Reserve University, Cleveland, Ohio

Faculty Positions at the Department of Electrical Engineering and Computer Science

The **Department of Electrical Engineering and Computer Science at Case Western Reserve University** invites applications for three faculty positions:

Tenure-Track Faculty Position in Data Science: While exceptional candidates in all areas of Computer and Data Sciences will be considered for this position, our priority areas include Big Data Management and Systems, Databases, Data Mining, and Machine Learning. While

all ranks will be considered, preference will be given to candidates at the Assistant Professor level.

Tenure-Track Faculty Position in Cyber-Security: In conjunction with the **Institute for Smart, Secure, and Connected Systems (ISSACS)**, we are seeking candidates with research interests including but not limited to: theory and algorithms (e.g., cryptography, secure computing, secure data analysis, data privacy), systems (e.g., secure networks, distributed systems, cloud and virtualized environments, mobile devices), and applications (e.g., security in Internet-of-Things, cyber-physical systems, health, computer forensics). While all ranks will be considered, preference will be given to candidates at the Associate or Full Professor level.

For the tenure-track positions, candidates for the junior positions should have potential for excellence in innovative research. Candidates for the senior positions should have an established record of research excellence. All successful candidates are expected to develop a vibrant, high-quality externally sponsored research program, supervise graduate students, and interact and collaborate with faculty across the department and campus. Applicants should have a strong commitment to high quality teaching at the undergraduate and graduate levels. Candidates must have a Ph.D. in Computer Science or a closely related field. Current departmental strengths include Artificial Intelligence,

Bioinformatics, Internet of Things, Machine Learning, Networks and Distributed Systems, Cyber-Security and Privacy, and Software Engineering, and successful candidates will be expected to be synergistic with these strengths.

Non-Tenure-Track Faculty Position in Computer Science: We are seeking applicants dedicated to curriculum development and teaching in foundational areas of Computer and Data Sciences, including introductory programming, discrete mathematics, data structures, data science, and computer systems. The rank of the candidate will be commensurate with experience. In addition to teaching, successful candidates are also expected to be involved in departmental service.

Applicants must submit (i) a cover letter, (ii) current curriculum vita, (iii) statement of research interests, (iv) statement of teaching interests, and (v) contact information for at least three references for a junior position and six references for a senior position. Applications will be reviewed starting immediately and will continue until the positions are filled.

Application materials may be sent by email to:

Faculty Search Committee
Dept. of Electrical Engineering and Computer Science
Case Western Reserve University
c/o YoLonda Stiggers (yxs307@case.edu)
10900 Euclid Avenue, Glennan 321
Cleveland, OH 44106-7071

Professional Opportunities

Founded in 1826, Case Western Reserve University is a highly ranked private research university located in Cleveland, Ohio. As a vibrant and up-and-coming city, Cleveland was named one of the top 15 best places to live in the US by timeout.com in 2016. The campus is in the heart of University Circle, a world-renowned area for its cultural vibrancy, hosting the Cleveland Museum of Art (the second highest ranked art museum in the country), Cleveland Orchestra, the Museum of Natural History, Cleveland Institute of Music, and the Cleveland

Botanical Garden, as well as two world-class health institutions. The Cleveland Clinic and University Hospitals of Cleveland. With generous support from the Cleveland Foundation, Case Western Reserve University recently launched the Institute for Smart, Secure and Connected Systems and is an anchor partner in the IOT Collaborative.

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups,

and individuals with disabilities are encouraged to apply.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants 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



Applications are invited for tenure-track and tenured faculty positions in all areas related to cybersecurity, privacy, and cryptography.

The **Helmholtz Center for Information Security (CISPA)** provides a unique work environment that offers the advantages of a university department and a research laboratory alike: Faculty will be offered extremely competitive institutional funding. They enjoy academic freedom, and build and lead their team of young researchers; they attract additional third-party funds, supervise doctoral theses, and are granted the opportunity to teach graduate and undergraduate courses. CISPA moreover offers outstanding technical infrastructure and administrative support.

The Helmholtz Association is the largest research organization in Germany. It only makes large-scale investments in research areas of long-standing sovereign importance. CISPA as its latest member will grow in the medium term from currently 150 to more than 800 employees.

A doctoral degree in computer science or related areas and an outstanding research track record are required. Applicants are expected to pursue an internationally visible research agenda, and to build up their research team. Candidates for senior positions must be internationally renowned scientists.

CISPA offers two main types of faculty positions.

Tenure track: these positions are intended for candidates with excellent research credentials and the potential to pursue a program of innovative research. The positions are comparable to tenure-track positions at a top university, and come with two full time funded positions and generous support for other expenses.

Tenured: these positions are intended for established leading researchers with an outstanding scientific track record, and can be compared to an endowed chair at a top university.

CISPA is located in Saarbrücken, in the tri-border area of Germany, France, and Luxembourg. We maintain an international and diverse work environment and seek applications from outstanding researchers worldwide. The working language is English. A command of German is not required for a successful career at CISPA.

All applicants are strongly encouraged to submit their complete application by **December 10, 2018** for full consideration. However, applications will continue to be accepted until January 15, 2019.

Qualified candidates should apply using the [secure application form](#).

In case of any questions, please contact CISPA's director Michael Backes at director@cispa.saarland.

CISPA values diversity and is committed to equality. We provide special [support for dual-career couples](#). We highly encourage female researchers to apply.

For more information about CISPA, see <https://cispa.saarland>



Applications are invited for tenure-track and tenured faculty positions in machine learning.

The **Helmholtz Center for Information Security (CISPA)** provides a unique work environment that offers the advantages of a university department and a research laboratory alike: Faculty will be offered extremely competitive institutional funding. They enjoy academic freedom, and build and lead their team of young researchers; they attract additional third-party funds, supervise doctoral theses, and are granted the opportunity to teach graduate and undergraduate courses. CISPA moreover offers outstanding technical infrastructure and administrative support.

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For more information about CISPA, see <https://cispa.saarland>

Clayton State University

Department Chair, Computer Science and Information Technology

The Department of Computer Science and Information Technology at Clayton State University seeks an energetic and innovative individual to serve as Department Chair. Qualified applicants must have a Ph.D. in Computer Science, Information Technology or closely related field. This is a twelve-month, tenure-track position at the rank of associate/full professor.

The complete job description, position requirements and information on how to apply can be found at [CSIT Chair Job Description](#).

Clemson University

Assistant Professor

The School of Computing at Clemson University invites faculty position applications from a culturally diverse pool of candidates. Preference will be given to candidates at the rank of Assistant Professor, though all ranks will be considered. The School of Computing encompasses three divisions: Computer Science, Visual Computing, and Human-Centered Computing, and administers interdisciplinary graduate programs in Biomedical Data Science and Informatics (BDSI), jointly with the Medical University of South Carolina. We are interested in candidates with research interests compatible with the School of Computing that will primarily support these BDSI programs.

More information may be found at <http://www.clemson.edu/cecas/departments/computing/connect/tenuretrack2019.html>

Clemson University does not discriminate against any individual or group of individuals on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran's status or genetic information. Clemson University is an Affirmative Action/Equal Opportunity Employer.

Cleveland State University

Multiple Tenure-Track Assistant Professor Positions

Department of Electrical Engineering and Computer Science

Washkewicz College of Engineering

The Department of Electrical Engineering and Computer Science at Cleveland State University invites applications for multiple tenure-track assistant professor positions in Computer Science, to begin in August 2019. Applicants in all areas of Computer Science will be considered; applicants in the following areas are particularly encouraged: Machine Learning, Data Science, Robotics, Artificial Intelligence, Security, Programming Languages, High-performance Computing, and Parallel Computing. The department is particularly interested in candidates with demonstrated cross-disciplinary and collaborative research. Successful candidates should have completed their PhD in Computer Science, Computer

Engineering, or a closely related field by summer 2019.

Responsibility: The faculty hired in these positions will be expected to develop a strong, externally funded research program, supervise students, and actively participate in teaching at both the graduate and undergraduate levels.

Minimum Qualifications: Earned Ph. D in Computer Science, Computer Engineering, or a closely related engineering field.

Preferred Qualifications:

- Excellent teaching and communication skills.
- Established research experience related to a preferred area in Computer Science.
- Demonstration of interdisciplinary research.
- Ability to contribute through teaching and/or service to the diversity, cultural sensitivity, and excellence of the academic community.

For full consideration, applicants must submit a cover letter, curriculum vitae (including names of at least three professional references), teaching statement, and research statement through the Human Resources website: <http://hrjobs.csuohio.edu/postings/9726>. Review of applications will begin immediately. Applications completed by December 15th, 2018 will receive full consideration. Questions about the Computer Science program should be directed to search committee chair: Dr. Haodong Wang at hwang@eecs.csuohio.edu.

Hiring Range: Commensurate with education and experience; Competitive with market rates.

The Cleveland State University is a state-assisted metropolitan university in the city of Cleveland with approximately 17,000 students. The university is well-known for its interdisciplinary programs, enjoying partnerships with several industrial corporations and the NASA Glenn Research Center. The EECS Department provides a rigorous education in the principles of electrical engineering, computer engineering, and computer science, and is supplemented by practical experience and communication skills to transform students into well-rounded and competent, ready to go engineers. The department offers doctoral, master's and ABET-accredited bachelor's degrees, with over 500 bachelor's students, over 400 master's and doctoral students, 25 full-time faculty members, and over \$8 million in research funding. Additional information about the department is available at <http://www.csuohio.edu/eecs>.

Offer of employment is contingent on satisfactory completion of the University's verification of credentials and other information required by law and/or University policies or practices, including but not limited to a criminal background check. Hiring is contingent on maintaining existing levels of funding from the state of Ohio.

It is the policy of Cleveland State University to provide equal opportunity to all qualified applicants and employees without regard to race, color, religion, sex, sexual orientation,

gender identity and/or expression, national origin, age, protected veteran or disable status, or genetic information.

Colgate University

Assistant Professor of Computer Science

The Department of Computer Science at Colgate University invites applications for two tenure-stream positions at the rank of Assistant Professor beginning fall semester 2019. Completion of a Ph.D. is expected prior to or shortly after the date of hire. A strong interest in both research and teaching is expected. We welcome applications from candidates who complement and broaden our program and encourage candidates from all areas of research specialization to apply. We are especially interested in candidates who are enthusiastic to teach a broad range of undergraduate courses, including introductory, intermediate, and advanced courses, including new courses in their area of expertise. In addition, we expect successful applicants to participate in all-university programs, including the Liberal Arts Core Curriculum.

Colgate University is a highly selective liberal-arts college of 2900 undergraduate students situated in a picturesque village in central New York. The department offers a strong and diverse student body and state-of-the-art teaching and research facilities, and the university is committed to promoting excellence in both teaching and research. For more information about the department and the position, please visit our website at <https://www.cs.colgate.edu>.

Review of applications will begin December 1, 2018. Applications will continue to be accepted and reviewed after this date until both positions are filled. Applications should include a cover letter, curriculum vitae, research statement, teaching statement, and three letters of recommendation. Colgate strives to make all students feel welcome, respected, and fully included in the classroom. Candidates should describe in their cover letter or other statements their approach to teaching and/or scholarship in a diverse and inclusive educational environment.

It is the policy of Colgate University not to discriminate against any employee or applicant for employment on the basis of their race, color, creed, religion, age, sex, pregnancy, national origin, marital status, disability, protected Veterans status, sexual orientation, gender identity or expression, genetic information, being or having been victims of domestic violence and stalking, familial status, and all other categories covered by law. Colgate is an Equal Opportunity/Affirmative Action employer. Candidates from historically underrepresented groups, women, persons with disabilities, and protected veterans are encouraged to apply. We welcome dual-position applications; in this case, each candidate should submit a separate application. Applicants with dual-career considerations can also find postings of employment opportunities at Colgate and at other institutions of higher education in upstate New York at <http://www.upstatenyherc.org>. Disclosure of dual-career considerations is entirely at the discretion of the applicants.

Applications should be submitted at: <https://academicjobsonline.org/ajol/jobs/12137>

The College of New Jersey

Tenure-Track Assistant Professor

The Department of Computer Science at The College of New Jersey (TCNJ) invites outstanding applications for a tenure-track Assistant Professor faculty position in computer science to join our community starting August 2019. Candidates must have a Ph.D. in Computer Science, or a closely related field (ABDs will be considered if the degree will be completed prior to the start date); demonstrated excellence in teaching; and a strong commitment to the education of, and research with, undergraduates.

The Computer Science program is ABET CAC-accredited, offers state-of-the-art laboratories and equipment including a high-performance computing cluster, and is housed in TCNJ's new STEM building. TCNJ has a strong commitment to inclusive excellence in our community and to supporting a healthy work-life balance for our faculty of teacher-scholars. TCNJ has been recognized by The Chronicle of Higher Education on its honor roll of "Great Colleges to Work For."

For more details and to apply please see <https://chm.tbe.taleo.net/chm03/ats/careers/v2/viewRequisition?org=TCNJ&cws=37&rid=540>

The College of William & Mary

Assistant Professors of Computer Science

The Department of Computer Science at William & Mary seeks applications for two tenure-track positions at the Assistant Professor level to begin in Fall 2019. **We are interested in exceptional applicants from all areas of computer science. We have a particular interest in systems, machine learning, and security.** Applicants must hold a Ph.D. in computer science or a related field at the time of appointment (August 10, 2019) and must have a strong research record and an interest in teaching.

William & Mary is consistently ranked in the elite group of the Best National Universities-Doctoral by U.S. News and World Report and is committed to a multi-year effort to strengthen and expand its computer science research program. With a teaching load of two courses per year and institutional support, the department has been rising in national rankings of graduate CS departments, and has been the home of multiple NSF and DOE Career Awards. The department offers B.S., M.S., and Ph.D. programs. More information about the department can be obtained at <http://www.cs.wm.edu>.

Applicants must apply online at <https://jobs.wm.edu> (follow the link for instructional faculty). Please submit a cover letter, a curriculum vitae, and statements of research and teaching interests. Applicants will be prompted to submit online the names and email addresses of

three references who will be contacted automatically with instructions for submitting letters of recommendation. For full consideration, please submit application materials by the review date, January 7, 2019. Applications received after the review date will be considered if needed.

The College of 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. The College conducts background checks on applicants for employment.

Colorado School of Mines

Department of Computer Science 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? The Department of Computer Science at Colorado School of Mines (CS@Mines) needs more faculty!

T/TT Faculty: CS@Mines has multiple tenured/tenure-track faculty positions available (open rank). Research specializations of interest include (1) computer systems (e.g., HPC, computer architecture, compilers, operating systems, and deep learning systems) and (2) computer security. We seek candidates excited to share in our mission to address

the challenges of creating a sustainable global society by educating the next generation of scientists and leaders, and by expanding the frontiers of knowledge through research. For more information (as well as details on the application process), see:

<http://jobs.mines.edu/cw/en-us/job/493310/computer-science-tenuretrack-faculty>

Teaching Faculty: CS@Mines has multiple teaching faculty positions available, at any rank. Each successful candidate must be able to teach a variety of computer science core and elective courses. Candidates should also plan to support departmental recruiting efforts, coordinate multi-section courses (including supervision and training of teaching assistants), and participate in curriculum innovations and improvements. We are looking for superb teachers who inspire students. For more information (as well as details on the application process), see:

<http://jobs.mines.edu/cw/en-us/job/493309/computer-science-teaching-fullassociateassistant-professor-positions>

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 about 4800 undergraduate students and 1300 graduate students in a broad range of applied science and engineering

disciplines. Annual research expenditures in 2017 was ~\$60M. The School's proximity to Denver and Boulder provides opportunities for significant collaboration with government labs and industry as well as other universities. Mines has the highest admissions standards of any public university in Colorado and among the highest of any public university in the U.S. The 2018 edition of U.S. News and World Report's America's Best National Universities ranks Mines as the top-ranked university in Colorado and 75th in the nation, both public and private, and 29th in the category of Top Public Schools.

Evaluation of applicants will begin in early December and continue until the positions are filled.

Columbia University

Lecturer

The Department of Computer Science at Columbia University in the City of New York invites applications for faculty at the rank of Lecturer in Discipline beginning in the 2019-20 academic year. Lecturers in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong undergraduate and graduate programs. Teaching responsibilities for lecturers include courses throughout the computer science curriculum, from introductory to graduate level courses, with a typical teaching load of two courses per semester.

Applications should be submitted electronically at: <http://pa334.peopleadmin.com/postings/1713> and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Reviews of applications will begin on December 1st, 2018, and will continue until the positions are filled. Candidates must have a PhD or its professional equivalent by the starting date of the appointment.

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

Columbia University

Open Rank

Columbia Quantum Initiative: Open Rank Faculty Positions in the School of Engineering and Applied Science

Columbia Engineering is pleased to invite applications for faculty positions in Quantum Science and Technology as part of the Quantum Initiative at Columbia University in the City of New York. Applications at all ranks will be considered. Areas of interest in computing, communication, and theoretical research include novel computation and communication approaches, programming paradigms, algorithms, and protocols for quantum information applications. Areas of interest in experimental research include novel

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

Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position must demonstrate the potential to do pioneering research and to teach effectively. The school is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service,

to the diversity and excellence of the academic community.

For additional information and to apply, please see: <http://engineering.columbia.edu/faculty-job-opportunities>. Applications should be submitted electronically and include the following: curriculum-vitae including a publication list, a description of research accomplishments, a statement of research and teaching interests and plans, contact information for three experts who can provide letters of recommendation, and up to three pre/reprints of scholarly work. All applications received by February 1, 2019 will receive full consideration.

Applicants can consult <http://www.engineering.columbia.edu> for more information about the school. If you would like to apply, please visit <http://pa334.peopleadmin.com/postings/1894>

Columbia University is an Equal Opportunity Employer / Disability / Veteran

Columbia University

Tenure Track Faculty Position

Columbia Engineering invites applications for faculty positions in the Department of Computer Science at Columbia University in the City of New York. Applications at all levels will be considered. Applications are sought in all areas of computer science, with particular emphasis on, but not limited to, the following areas: Computer Systems with an emphasis on Hardware Systems and Cybersecurity. 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.

Applications should be submitted electronically: <http://pa334.peopleadmin.com/postings/1610> and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on December 1st, 2018 and will continue until the positions are filled.

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

Connecticut College

Departments of Computer Science and Biology

Assistant Professor of Bioinformatics

We seek a tenure-track assistant professor to join us in July 2019 with expertise in data mining/machine learning methods and a strong background in

genomics who is committed to teaching and research with undergraduates.

See details at <https://www.conncoll.edu/employment/faculty-searches/bioinformatics-computer-science-and-biology/> for this faculty position.

CUNY Queens College

Lecturer- Computer Science

Job ID: 19558

The Department of Computer Science at Queens College of CUNY is accepting applications for a Lecturer position starting Spring 2019. The duties of this position include teaching a variety of undergraduate and graduate courses in computer science, developing innovative methods of instruction, curricular development, serving on departmental and college committees, and advising students.

For application information and more details, - Go to cuny.jobs, in the box under "What", enter the job ID "19558", click on "Lecturer- Computer Science" and select the "Apply Now" button and follow the instructions.

AA/EOE/IRCA/ADA

Dartmouth College

Faculty Position in Engineering Design

The Thayer School of Engineering at Dartmouth invites applications for a tenure-track faculty position in engineering design. Candidates should have both (1) a Ph.D. in engineering or a related field and (2) deep knowledge

and experience with human-centered design methods and practice. The successful candidate will be a gifted teacher with a strong record of externally-funded research. In addition, the successful candidate will contribute across Dartmouth's teacher/scholar community, specifically working to develop programs and opportunities for design and innovation. The Thayer School is undergoing a significant expansion of faculty, facilities, and programs, and this position is a unique opportunity to help shape the future of the institution.

Interested candidates should submit a cover letter, complete CV, research and teaching statements, and contact information for three references at: <http://apply.interfolio.com/54802>

Review of applications will begin December 1st, 2018.

DePaul University

Assistant/Associate/Full Professor in Computer Science

DePaul University's School of Computing invites applications for an Assistant/Associate/Full Professor position to begin in September 2019. We are interested in candidates with expertise in all areas of computer science. We seek candidates with a strong commitment to excellence in both teaching and scholarship. The School of Computing is committed to provide a flexible and supportive environment for candidates seeking rewarding academic careers with a balanced emphasis among teaching and research.

DePaul's School of Computing is a unit of the College of Computing of and Digital Media, an inter-disciplinary college with a broad range of innovative programs including Computer Science, Game Development, Human Computer Interaction, Information Security, Data Science, Software Engineering, and others. Our Master of Science in Software Engineering program is one of the premier software engineering graduate programs in the Midwest. It features concentrations in software development, software architecture, project management, real-time systems, entrepreneurship & technology leadership. We also offer a minor in Software Engineering in our undergraduate program. Located in the heart of Chicago's central business district, it supports many dynamic, interdisciplinary research groups and offers an opportunity to forge working relationships with industry. The School of Computing includes nearly 60 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and PhD programs.

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty. Members of all underrepresented groups, women, veterans, and persons with disabilities are invited and encouraged to apply. DePaul University offers equal employment opportunities to all persons in accordance with applicable federal, state and local EEO laws. Positions are contingent upon available budgetary resources.

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

Apply at <https://facultyopportunities.depaul.edu/postings/2290>

For priority consideration, application materials must be received by January 30, 2019.

E-mail Prof. Corin Pitcher at cpitcher@cs.depaul.edu for additional inquiries.

Required Documents:

Cover letter

C.V.

Teaching statement

Research statement

Three letters of recommendation

DePaul University

Assistant Professor in Cyber-Physical Systems

DePaul University's School of Computing invites applications for a tenure-track faculty position beginning in Fall 2019.

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

Applications should be submitted electronically via <https://facultyopportunities.depaul.edu/postings/2237>

Applications will be accepted until the position is filled. For priority consideration, application materials should be received by December 6, 2018.

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

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty. Members of all underrepresented groups, women, veterans, and persons with disabilities are invited and encouraged to apply. DePaul University is an Equal Opportunity / Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, ethnicity, religion, sex, sexual orientation, gender identity, national origin, age, marital status, physical or mental disability, protected veteran

status, genetic information or any other legally protected status, in accordance with applicable federal, state and local EEO laws.

DePaul University

Instructor in Computer Science

The School of Computing at DePaul University invites applications for a full-time, non-tenure-track faculty position at the rank of Instructor. The appointment is for a one academic year term, with full benefits, and is renewable.

We seek a candidate with a commitment to high-quality teaching. The candidate will have additional responsibilities including advising students, curriculum development, and other service to the School. Preference will be given to candidates who have, or are close to having, a PhD in Computer Science or related field as well as teaching experience. The minimum requirement for the position is an MS in Computer Science or closely related discipline. Rank and salary are commensurate with qualifications and experience. The position is contingent upon available budgetary resources.

DePaul's School of Computing is a unit of the College of Computing of and Digital Media, an interdisciplinary college with a broad range of innovative programs including Cyber-Physical Systems Engineering, Computer Science, Game Development, Human Computer Interaction, Information Security, Data Science, and Software

Engineering. Located in the heart of Chicago's central business district, the school is equipped with state of the art research labs, supports many dynamic, interdisciplinary research groups, and offers an opportunity to forge working relationships with industry. The School of Computing includes more than 60 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and PhD programs.

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty. Members of all underrepresented groups, women, veterans, and persons with disabilities are invited and encouraged to apply. DePaul University is an Equal Opportunity / Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, ethnicity, religion, sex, sexual orientation, gender identity, national origin, age, marital status, physical or mental disability, protected veteran status, genetic information or any other legally protected status, in accordance with applicable federal, state and local EEO laws.

Applicants should have either an MS in CS with at least 10 years of professional experience or a Ph.D.

Apply at <https://facultyopportunities.depaul.edu/postings/2268>

Applications will be accepted until the position is filled. For priority consideration, application materials should be received by January 30, 2019.

Contact Corin Pitcher at cpitcher@cs.depaul.edu for additional inquiries.

Required Documents:

Cover letter

C.V.

Teaching statement

Three letters of recommendation

DePaul University

*Professor of Practice position
in Data Science*

DePaul University's School of Computing invites applications for a Professor of Practice to begin in Fall 2019. The non-tenure track faculty appointment is renewable, contingent upon satisfactory performance. We are particularly interested in candidates who demonstrate outstanding teaching and a strong interest in data science education. The position of Professor of Practice will be affiliated with DePaul's Data Mining and Predictive Analytics Center, a multidisciplinary center bringing together faculty, students and private organizations that are interested in data science. As a Professor of Practice, you will have opportunities to join well-established research groups in areas that include biomedical informatics, recommender systems, data visualization, and web data mining. Our faculty have a strong track record of leading research programs and pedagogical collaborations outside of the School of Computing, including in marketing, computational finance, cyber-physical systems, biomedical informatics, health

care, cybersecurity and learning analytics. We will consider applicants whose work focuses on data science, machine learning and artificial intelligence.

Successful candidates will be part of a highly-recognized and well-established data science program that was created in 2010 and is currently enrolling more than 250 graduate students. Refer to our website for more detail: <https://www.cdm.depaul.edu/academics/Pages/MS-in-Data-Science.aspx>

Please submit all application materials electronically at <https://facultyopportunities.depaul.edu/postings/2228>

DePaul's School of Computing, part of the College of Computing and Digital Media (CDM), is committed to the teacher-scholar model that supports outstanding teaching and research activities. The School of Computing has a strong track record of supporting interdisciplinary and industry collaborations. With over 60 full-time faculty and more than 3,000 undergraduate and graduate students, our school offers a PhD program in Computer and Information Sciences, fourteen graduate and nine undergraduate programs that include Data Science, Computer Science, Software Engineering, Cybersecurity, Cyber Physical Systems, Human Computer Interaction, and Game Development. Located in the heart of Chicago's Loop, the central business district of Chicago, our college also offers numerous opportunities for industry partnerships.

Responsibilities

We seek candidates who demonstrate a commitment to high-quality teaching. In addition to teaching undergraduate and graduate courses in data science, as a Professor of Practice you will be expected to take a leading role in curriculum development. Additional responsibilities include supervising graduate students in data science projects and fostering collaborations with industry through the DePaul Data Mining and Predictive Analytics Center.

Required Qualifications

Candidates for this position must have at minimum a Master of Science degree in data science, computer science or related field and 3-5 years of professional experience in data science. Rank and salary are commensurate with qualifications and experience.

Preferred Qualifications

We will give preference to candidates who have a PhD in a discipline related to data science, are committed to teaching excellence, and have a record of successful industry collaborations.

Special instructions

For priority consideration, application material must be received by December 1st, 2018. Applications will be accepted until the positions are filled but no later than March 31st, 2018. For questions please email dssearch@depaul.edu.

As an Equal Employment Opportunity (EEO) employer, DePaul University provides job opportunities to qualified individuals without regard to race, color, ethnicity,

religion, sex, sexual orientation, national origin, age, marital status, physical or mental disability, parental status, housing status, source of income or military status, in accordance with applicable federal, state and local EEO laws.

DePaul University

Assistant Professors in Software Engineering

DePaul University's School of Computing invites applications for several tenure-track positions at the rank of Assistant Professor to begin in September 2019. We are interested in candidates with expertise in all areas of software engineering. Candidate with research and teaching interests in mobile and embedded applications, real-time and high-performance applications, safe, reliable, and secure software applications, intelligent and cross-disciplinary software applications are especially encouraged to apply. We seek candidates with a strong commitment to excellence in both teaching and scholarship. The School of Computing is committed to provide a flexible and supportive environment for candidates seeking rewarding academic careers with a balanced emphasis among teaching and research.

DePaul's School of Computing offers a broad range of innovative programs including Computer Science, Game Development, Human Computer Interaction, Information Security, Data Science, Software Engineering, and others. Our Master of Science in Software Engineering

program is one of the premier software engineering graduate programs in the Midwest. The School of Computing includes nearly 60 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and PhD programs. For more information about our school and programs, visit <https://www.cdm.depaul.edu/about/Pages/School-of-Computing.aspx>.

DePaul University offers equal employment opportunities to all persons in accordance with applicable federal, state and local EEO laws. Positions are contingent upon available budgetary resources.

For priority consideration, application materials must be received by December 15, 2018. Applications received after January 7, 2019 will not be considered.

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

Apply at <https://facultyopportunities.depaul.edu/postings/2225>

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

Required Documents:

Cover letter

CV

Teaching statement

Research statement

Three letters of recommendation

DePaul University

Two tenure-track/tenured positions in Data Science/Computer Science

DePaul University's School of Computing invites applications for two tenure-track faculty positions, beginning in Fall 2019. We will consider applicants at all ranks (i.e. Assistant, Associate and Full Professor) whose work is focused on data science, machine learning and artificial intelligence. We value applicants who demonstrate a strong commitment to excellence in both teaching and research; applicants for the Associate or Full level must demonstrate an established record in research.

Successful candidates will be part of a highly recognized and well established data science program, created in 2010 and currently enrolling more than 250 students. Refer to our website for more detail: <https://www.cdm.depaul.edu/academics/Pages/MS-in-Data-Science.aspx>.

Please submit all application materials electronically at <https://facultyopportunities.depaul.edu/postings/2229>

DePaul's School of Computing, part of the College of Computing and Digital Media (CDM), is committed to the teacher-scholar model that supports outstanding teaching and research activities. The School of Computing has a strong track record of supporting interdisciplinary and industry collaborations. With over 60 full-time faculty and more than 3,000 students, our school offers a PhD Program in Computer and Information Sciences, fourteen graduate and

nine undergraduate programs that include Data Science, Computer Science, Software Engineering, Cybersecurity, Cyber Physical Systems, Human Computer Interaction, and Game Development. Located in the heart of Chicago's Loop, the central business district of Chicago, our college also offers numerous opportunities for industry partnerships.

Responsibilities

Teaching undergraduate and graduate courses; establishing a strong research program; supervising undergraduates, M.S. and Ph.D. students to conduct research; and contributing through student advising and service to the university community.

Required Qualifications

Candidates for this position must have a PhD or equivalent. Applicants should be actively engaged in research and have teaching experience in computer science, data science, applied artificial intelligence (AI), machine learning, or computational statistics. Rank and salary are commensurate with qualifications and experience.

Preferred Qualifications

We encourage candidates who are interested in opportunities for collaborative and interdisciplinary research. We have active and well-established research groups in multidisciplinary areas that include biomedical informatics, recommender systems, data visualization, and web data mining. Additionally, our faculty have a strong track record of leading research programs and pedagogical collaborations outside of the School of Computing, including in marketing, computational finance, cyber-physical systems,

biomedical informatics, health care, cybersecurity and learning analytics.

Special instructions

For priority consideration, application materials must be received by December 1st, 2018. Applications will be accepted until the positions are filled but no later than March 31st, 2018. For questions please email dssearch@depaul.edu.

As an Equal Employment Opportunity (EEO) employer, DePaul University provides job opportunities to qualified individuals without regard to race, color, ethnicity, religion, sex, sexual orientation, national origin, age, marital status, physical or mental disability, parental status, housing status, source of income or military status, in accordance with applicable federal, state and local EEO laws.

Drexel University

College of Computing & Informatics Department Head, Computer Science

The College of Computing & Informatics (CCI) at Drexel University invites applications for the position of Head of the Department of Computer Science. Drexel University is in the midst of an ambitious, multi-year effort to significantly grow its computing, information, and technology activities. Drexel's expansion includes a new, state-of-the-art home for the College of Computing & Informatics scheduled to open in 2019, and an anticipated ten (10) faculty positions under search. The Department seeks a dynamic and innovative leader with

creative vision and an outstanding record of achievement, ready to take a strong and growing department to a prominent ranking and lead the charge redefining computing education and research in the 21st Century.

Computer Science, one of Drexel's focus areas of investment, has doubled its undergraduate enrollment over the past five years, making it one of the most vibrant and selective undergraduate programs on campus. Having undergraduate and graduate degrees in Computer Science and Software Engineering—including one of the largest majors at Drexel, the Computer Science Department is integral to a number of key strategic priorities for the College and the University. Among these priorities is a new college-wide focus on data science, including a newly launched Master of Science in Data Science spanning Computer Science and Information Science and a CS4All initiative that highlights our commitment to computing across all disciplines throughout the University. The Department also plays a leading role in continued commitment to experiential learning through synergistic programming, research, and co-op, as well as, several significant College and University priority areas spanning cybersecurity and privacy, high-performance computing, data science, AI and machine learning, human computer interaction, and more.

Computer Science is part of the College of Computing & Informatics (CCI), which serves as the hub of computing, as well as library and information science

education and research at Drexel. Few peer institutions offer comprehensive programs in both computing and information science, making CCI's contribution to the field significant and the possibilities for future growth unlimited. Having an enrollment of approximately 2,000 students, more than 14,000 alumni worldwide, and a world-class faculty of more than 60 professors and researchers, CCI is poised for significant growth in the next five years. Under new leadership and with commitments of significant investment, the College is paving the way for Computer Science to lead across Drexel and widen its research and education impact not only within CCI, but also across programs in Engineering, Business, Environmental Science, Health, and a variety of other areas. Drexel itself is one of the nation's leading urban research universities, with an enrollment of over 24,000 students primarily focused on STEM subjects.

Position Qualifications

A successful candidate will have an exemplary record of scholarly achievement along with evidence of outstanding leadership. It is expected that candidates for this position will have an earned doctorate in computer science (or closely related field) and stature in the field sufficient at a minimum to merit appointment with tenure at the rank of Professor in one of the nation's leading computing colleges. The Department Head of Computer Science is a key member of the College leadership team. The Head

will work with faculty colleagues and the College's leadership to build and achieve a compelling vision for the future of the Department and CCI. Highly desirable qualities include an understanding of current needs and future trends in computing research and education; a commitment to diversity and collaboration; and skills in academic leadership, student relations, mentoring, and alumni-relations development. Successful candidate is expected to have strong commitment to support the College's vision and to help drive strategic and sustainable growth of enrollment, research and extramural funding in the Department and the College.

Confidential nominations and inquiries can be sent to csdhsearch@drexel.edu. Evaluation of applications will be conducted on a rolling basis; however, applicants should apply by January 5, 2019, for full consideration. To be considered, apply at <http://apply.interfolio.com/57541>. Applications should include a cover letter, CV, references, and brief statements describing the candidate's research program, teaching interests, any administrative or leadership experience, and a vision for the department. A background check will be required for employment in this position. Employment may not begin until the University accepts the results of the background investigation. Drexel University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. The University actively encourages applications and nominations

of women, minorities and persons with disabilities and applications from candidates with diverse cultural backgrounds. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply. Drexel University is an Equal Opportunity, Affirmative Action Employer.

Drexel University

College of Computing & Informatics Faculty Positions in Computer Science

The College of Computing and Informatics (CCI) at Drexel University is uniquely positioned to become a research and education leader for the 21st century. With a commitment to expand the college and grow the faculty in key areas of strength, CCI seeks candidates with intellectual curiosity, as well as, innovative knowledge to help drive cutting edge research, teaching and curriculum design.

CCI invites applications for multiple tenure-track and tenured faculty positions in Computer Science at all levels. Candidates should have a Ph.D. in Computer Science or related field at the time of appointment and a record of high-quality scholarly activities. Applicants for senior hires are expected to have demonstrated exceptional leadership in large-scale, multidisciplinary research programs. Preference will be given to applicants in the areas of Artificial Intelligence, Data Science, Machine Learning, and Privacy/Security. Successful applicants will be expected to teach at the undergraduate and graduate levels, establish strong sponsored research

programs, advise undergraduate and graduate students, and be involved in service to the college, the university, as well as the global academic community.

Drexel is a private university committed to research with real-world applications. The university has over 25,000 students in 14 colleges and schools and offers about 200 degree programs. The College of Computing and Informatics has over 60 faculty, close to 2,000 students and 15 academic programs. Drexel has one of the largest and best known cooperative education programs in the country, with over 1,600 co-op employers. Drexel is located on Philadelphia's "Avenue of Technology" in the University City District and at the hub of the academic, cultural, and historical resources of the nation's fifth largest metropolitan region.

Evaluation of applications will be conducted on a rolling basis; however, applicants should apply by January 15, 2019 for full consideration. To be considered, apply at <http://apply.interfolio.com/57428>.

Applications should include a cover letter, CV, letters of reference, and brief statements describing the applicant's research program and teaching interests. Electronic submissions in PDF format are required.

Drexel University is an Equal Opportunity/Affirmative Action Employer. The College of Computing & Informatics is especially interested in qualified candidates who can contribute to the diversity and excellence of the academic community. Background investigations are required for all new hires as a condition of employment,

after the job offer is made. Employment will be contingent upon the University's acceptance of the results of the background investigation.

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 2019. 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 software engineering, embedded systems, cyber security, mobile applications, computer game design, and data science, 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 plan to conduct scholarly research is preferred.

All applications must be made online at <http://agency.governmentjobs.com/emichedu/default.cfm>. Application materials must include a letter of application, a curriculum vitae (including a list of publications, if any), a brief description of your plans for research, a brief statement of your 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.

Review of applications will begin immediately, and will continue until a suitable candidate is identified.

Eastern Washington University

Assistant Professor - Computer Science

The Department of Computer Science in the College of Science, Technology, Engineering and Mathematics at Eastern Washington University invites applications for a **tenure-track Assistant Professor position in Computer Science** starting September 2019.

EWU is a regional, comprehensive institution with nearly 13,000 undergraduate and graduate students, offering liberal arts and professional programs in Cheney, Spokane, and throughout Washington State. The Spokane metropolitan area is home to over 4000,000 residents and offers great four-season outdoor recreational opportunities and a vibrant arts and cultural community. The department as 14 faculty members and roughly 300 undergraduate and 20 graduate students.

In Fall 2020, the majority of Eastern's Computer Science and Electrical Engineering programs will move from the main campus in Cheney to a new 140,000 square-foot facility in downtown Spokane's University District. This facility is a partnership with the regional tech industry to be a high-tech hub for

innovation and entrepreneurship that will offer our students and faculty outstanding new opportunities for collaboration with regional industry and other universities.

The department seeks to build on its existing strength in **Software Engineering**, while exploiting the full scope of opportunities in this rapidly expanding area. The successful candidate will play a core role in reshaping the research and curriculum of the department. Responsibilities will include teaching and curriculum development at both the undergraduate and graduate levels, as well as scholarly and service activities.

Screening of applications will begin January 7, 2019; position will remain open after that date and until further notice. Questions about the position may be directed to Margo Stanzak (509) 359-4734 or mstanzak@ewu.edu.

About Eastern Washington University

Eastern is a regional, comprehensive university located in Cheney, 20 minutes from downtown Spokane. In addition to Eastern's Cheney campus, we also offer our Riverpoint campus in Spokane, plus additional teaching/learning centers located in other cities throughout Washington State. Enrollment has reached over 12,000 students. The Cheney-Spokane area is the heart of the Inland Northwest, with excellent restaurants, theater, shopping, skiing, hiking, lakes, a choice of living in a medium-sized city or a small town, and high quality schools and housing.

Eastern Washington University is committed to increasing the diversity of its faculty, staff, students, and academic program offerings and to strengthening sensitivity to diversity throughout the institution. Eastern Washington University is an affirmative action/equal opportunity employer, and applications from members of historically underrepresented groups are especially encouraged.

Required Qualifications:

- Ph.D. in Computer Science or closely related discipline must be complete at the time of appointment.
- Demonstrated potential for excellence in teaching Software Engineering along with core Computer Science coursework.
- Demonstrated potential for excellence in developing and teaching advanced coursework in Computer Science.
- Demonstrated potential for scholarship.
- Demonstrated ability to apply a culturally responsive and flexible approach that is supportive to the diverse needs, including universal access, of our students, faculty, staff, and the public.

Preferred Qualifications:

- Preference may be given to candidates who offer one or both of the following preferred qualifications:
- Industry work experience in Software Engineering.
- College-level teaching experience.



Faculty Positions in Computer Science

EMORY UNIVERSITY
Atlanta, Georgia

EMORY
UNIVERSITY

The Department of Computer Science at Emory University is leading several research and education initiatives that advance the frontiers of computing and data science.

Applications for Tenure-Track/Tenured Positions at the *Assistant* or *Associate* Professor level are invited from exceptional candidates with outstanding research and teaching records (or promise). Truly eminent candidates may be considered for appointment at higher ranks.

Specific priority areas for this year's searches are:

Intelligent Systems – Applicants must have a PhD in Computer Science or a closely related area, with specialization in artificial intelligence, machine learning, natural language processing, knowledge mining, and/or their applications.

Data Management – Applicants must have a PhD in Computer Science or a closely related area, with specialization in systems design, high-end data and computing, database systems, data analytics, storage systems, privacy and security, or related topics.

Successful candidates will join a close knit, collaborative, and vibrant Computer Science department <http://www.cs.emory.edu> that is highly ranked in select areas, with a faculty that is passionate about scholarship, teaching, and societal impact.

Emory University is a highly ranked private institution committed to outstanding research and teaching. A collaborative and collegial spirit prevails across departments and schools, making Emory a leader in interdisciplinary endeavors, while advancing knowledge in fundamental and applied domains. Emory is well known for its excellence in teaching, exciting research opportunities, and close connections to the internal and local communities. The Emory campus is an integral part of the energetic Atlanta metropolitan area, which has a diversity of cultural, social, and recreational options, a mild climate, and exceptional geographic accessibility.

Applications specifying one or more of the above areas and comprising a CV, research and teaching statements, and three to five letters of recommendation directly from recommenders, should be submitted via Interfolio <https://apply.interfolio.com/56053>. In your cover letter or a separate document, please also address your interests in broadening participation, specifically your experience or ideas concerning teaching and mentoring students from diverse backgrounds. Informal inquiries are invited via cssearch2018@emory.edu. Application review starts January 7, 2019 and will continue until positions are filled. Applications received up to 30 days after review begins will be given full consideration.

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

ETH zürich

Professors or Assistant Professors (Tenure Track) of Computer Vision

→ The Department of Computer Science (www.inf.ethz.ch) and the Department of Information Technology and Electrical Engineering (www.ee.ethz.ch) at ETH Zurich invite applications for two positions to continue and strengthen the research programs in Computer Vision in both departments.

→ The successful candidates should have an excellent record of research at the intersection of computer vision and machine learning, demonstrating expertise in both theory/algorithms development and impact on applications. The focus may be on, but not limited to, the areas of learning systems for vision, visual perception (activity recognition, video understanding), or optimization for machine vision. All application areas are welcome. The new professors are expected to develop leading and independent research programs and to collaborate and interact with colleagues in the department, at ETH Zurich and neighboring institutions in Switzerland, benefiting from the rich diversity of research activities and industry leaders in the Zurich area. They should be effective and enthusiastic teachers, who will teach courses in the department core curriculum as well as classes of interest to the wider student body. Generally, at ETH Zurich undergraduate level courses are taught in German or English and graduate level courses in English.

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

→ **Please apply online:** www.facultyaffairs.ethz.ch

→ Applications should include a curriculum vitae, a list of publications with the three most important ones marked, a statement of future research and teaching interests, a description of the three most important achievements, and the names of three references. The letter of application should be addressed to **the President of ETH Zurich, Prof. Dr. Lino Guzzella. The closing date for applications is 15 December 2018.** ETH Zurich is an equal opportunity and family friendly employer and is responsive to the needs of dual career couples. We specifically encourage women to apply.

Fairfield University

Assistant Professor of Computer Science

Department of Computer Science and Engineering in the School of Engineering at Fairfield University in Fairfield, CT invites applications for a tenure-track assistant professor in Computer Science and Engineering.

For the full position description and application instructions visit <https://ffd.wd1.myworkdayjobs.com/en-US/EmploymentOpportunities/job/Fairfield-CT/Tenure-Track-Assistant->

Professor--Computer-Science--- Engineering_JR0000259

Florida International University

Florida International University is classified by Carnegie as a "RI: Doctoral Universities - Highest Research Activity" and recognized as a Carnegie Community Engaged university. It is a public research university with *colleges and schools* that offers *bachelor's, master's and doctoral* programs in

fields such as business, engineering, computer science, international relations, architecture, law and medicine. As one of South Florida's anchor institutions, FIU contributes almost \$9 billion each year to the local economy and is ranked second in Florida in Forbes Magazine's "America's Best Employers" list. FIU graduates are consistently among the highest paid college graduates in Florida and are among the leaders of public and private organizations throughout South Florida. FIU is Worlds Ahead in finding solutions to the most challenging

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

Open-Rank Tenure Track/Tenured Positions (Job ID# 516046)

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 2,800 students, including over 80 Ph.D. students. The School is engaged in on-going and exciting new and expanding programs for research, education and outreach. The School offers B.S., M.S., and Ph.D. degrees in Computer Science, and M.S. degrees in Telecommunications and Networking, Cyber-security, and Information Technology as well as B.S./B.A. degrees in Information Technology.

NSF ranks FIU 39th nationwide in externally-funded research expenditures. SCIS has six research centers/clusters with first-class computing and support infrastructure, and enjoys broad and dynamic industry and international partnerships.

The School of Computing and Information Sciences invites applications from exceptionally qualified faculty at all levels with particular emphasis on cyber-security, computer systems or data sciences. Ideal candidates for junior positions should have a record of exceptional research in their early careers and a demonstrated ability to pursue and lead a research program. Candidates for senior positions must have an active and sustainable record of excellence in funded research, publications and professional service as well as demonstrated leadership in collaborative or interdisciplinary research. In addition to developing or expanding a high-quality research program, all successful applicants must be committed to excellence in teaching at both the graduate and undergraduate levels. Applications are encouraged from candidates with highly transformative research programs and seminal ideas that extend the frontiers of computing and networking across other disciplines. A Ph.D. in Computer Science or related disciplines is required.

Non-Tenure Track Instructor Positions (Job ID# 516119)

The School of Computing and Information Sciences seeks exceptionally qualified candidates for multiple non-tenure track faculty positions at the level of Instructor.

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 graduate degree in Computer Science or related disciplines is required; significant prior teaching and industry experience or a Ph.D. in Computer Science is preferred.

HOW TO APPLY:

Qualified candidates for Open-Rank Tenure-Track/Tenured faculty positions are encouraged to apply to Job Opening ID #516046. Qualified candidates for Instructor positions are encouraged to apply to Job Opening ID #516119. Visit facultycareers.fiu.edu and attach cover letter, curriculum vitae, statement of teaching philosophy, research statement, etc. as a single PDF. Candidates will be required to provide names and contact information for at least three references who will be contacted as determined by the search committee. Review for both Tenure-Track and Instructor positions will begin on December 14, 2018 and continue until positions are 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, sexual orientation, gender identity, national origin, disability or protected veteran status

Fontbonne University

Tenure Track Assistant Professor for Computer/Data Science

Fontbonne University (St. Louis, MO) seeks applications for a tenure-track assistant professor of computer/data science. Candidate will teach and redesign courses in computer science, bioinformatics and data science and redesign the bioinformatics degree. Candidates must have Ph.D. in computer science, data science, or closely related field, and demonstrate excellence and innovation in the classroom while maintaining a record of scholarship.

Details and application: <https://www.fontbonne.edu/employment/>

Franklin & Marshall College

VISITING POSITION IN COMPUTER SCIENCE

Franklin & Marshall College invites applications for a one-year visiting position (with the potential for a second year) in Computer Science beginning Fall 2019. Applicants should possess a Ph.D. in Computer Science or a related field or be ABD. The rank will be Visiting Assistant Professor or Visiting Instructor depending on qualifications.

Applicants must submit materials at Interfolio. Details on the application process are available at <https://apply.interfolio.com/57499>. We will review applications until the position is filled; we assure full consideration to applications completed by February 15, 2019.

Franklin & Marshall College is committed to having an inclusive campus community where all members are treated with dignity and respect. As an Equal Opportunity Employer, the College does not discriminate in its hiring or employment practices on the basis of gender, sex, race, ethnicity, color, national origin, religion, age, disability, family or marital status, sexual orientation, or any protected characteristic. Individuals who need an accommodation due to a disability in order to submit an application or attend an employment interview should contact Human Resources at (717) 358-4817.

George Mason University

Chair, Department of Computer Science

The Department of Computer Science at George Mason University (Mason), Virginia's largest public research institution, invites applications and nominations for the position of Chair. Ranked among the top 30 most innovative universities in the nation by U.S. News and World Report, Mason is in the Washington, DC metropolitan area, providing unmatched access to many federal agencies and national laboratories. An academic unit of the Volgenau School of Engineering, the Computer Science Department has 42 tenured or tenure-track faculty and 10 teaching-track faculty with wide-ranging research interests and strong research groups in cybersecurity, systems and networks, machine learning and data mining, artificial intelligence and software engineering.

The Department has seen a substantial increase in computer science majors as enrollment has grown from 550 undergraduates in 2012 to more than 1600 today. In addition, more than 350 graduate students are enrolled in one of four MS programs, and nearly 130 Ph.D. students are advised by faculty. The Department has \$8.5 million in annual research expenditures, 12 recipients of the prestigious CAREER/Young Investigator Awards, four IEEE Fellows, and two ACM Fellows. With Amazon's announcement that it will establish a second headquarters in Arlington, Mason has committed to accelerate its plans to grow its capacity in computer science and related disciplines, by launching the Institute for Digital Innovation and by establishing Virginia's first dedicated School of Computing.

The full Position Profile can be found at <https://bit.ly/2LfqiMO>

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

George Mason University

Computer Science Department

Tenure-Track Assistant Professor

The George Mason University Department of Computer Science, within the Volgenau School of Engineering, invites applications for the position of tenure-track assistant professor beginning fall 2019.

Exceptionally strong senior candidates may also be considered, and must have an established record of outstanding research and excellent teaching. Such candidates 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:

While applicants in all areas of computer science will be given serious consideration, we are particularly interested in candidates in the areas of software engineering, programming languages, and human-computer interaction.

About the Department:

The department has more than 50 faculty members with wide-ranging research interests including artificial intelligence, algorithms, autonomic computing, computational biology, computer graphics, computer vision, databases, data mining, parallel and distributed systems, real-time systems, robotics, security, software engineering, and wireless and mobile computing. The Computer Science Department has over \$8 million in annual research funding and has 11 recipients of the National Science Foundation's prestigious CAREER awards. For more information on the department, visit our website: cs.gmu.edu

About Us: The Future of Engineering is Here.

George Mason University is the largest public research university in Virginia with an enrollment of over 37,000 students studying in more than 200 degree programs. Mason's Fairfax, SciTech, and Arlington Campuses are in Northern Virginia near Washington, D.C., providing unmatched access to many federal agencies and national laboratories. The region is consistently rated as being among the best places to live in the country and has an outstanding local public-school system. 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.

For full consideration applicants must complete the online application at

<https://jobs.gmu.edu/> for position **F056AZ**; and attach a complete C.V. with publications, a statement of teaching interests, statement of research interests, a statement on diversity and inclusive excellence experience (to be attached as 'other document'), and the names of three professional references. The review of applications will begin January 15, 2019 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.

The George Washington University

Department of Computer Science Professor of Practice

The Department of Computer Science at The George Washington (GW) University in Washington DC, invites applications for a Professor of the Practice position starting potentially as early as July 2019. The appointment will be made at the Assistant/Associate/Full Professor of the Practice rank depending on the candidate's experience. GW has a history of supporting faculty with practice-of titles who are educators, practitioners, and scholars, and the Computer Science department has set high standards in providing a teaching

and work environment in which practice-of faculty thrive.

Responsibilities:

The Professor the Practice may teach introductory programming for CS freshmen, courses throughout the undergraduate and graduate curriculum and provide leadership for an introductory CS course open to the entire University student body. Once familiar with program requirements, the Professor of the Practice will advise undergraduate computer science majors (approximately 4 hours per week, for around nine weeks in a semester) and will participate in lower level course curriculum development or become involved in advising and educational.

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

Minimum Qualifications:

Applicants for the Professor of Practice position must be highly effective classroom teachers who can demonstrate excellent educational leadership and organizational skills. They must have a strong commitment to and demonstrated excellence in teaching as well as developing innovative teaching models; have the ability to help oversee an undergraduate program (advising, program oversight, and student support);

and be able to teach programming in both Java and Python.

Applicants at the Professor of the Practice level must have examples of academic, scholarly, and educational success outside the classroom that have resulted in, or have the potential to result in, significant advancements in computer science and engineering education. They must demonstrate commitment to educating a broad and diverse group of students and in working to increase the participation and success of students from groups underrepresented in computer science. Applicants must have, or will have by date of appointment, a Ph.D. in Computer Science or a closely related field.

Enquiries and Application:

To enquire, please email to cssearch@gwu.edu or call 202-994-7181. To apply, complete the online faculty application, at <http://www.gwu.jobs/postings/40362> and upload: (1) a detailed curriculum vitae; (2) a statement of teaching interest regarding teaching philosophy and experience, including evidence of commitment to promoting inclusion and diversity; (3) teaching evaluations or summaries as evidence of teaching effectiveness; (4) a short cover letter describing your background and interests in teaching undergraduates at George Washington University and in promoting inclusion and diversity in computer science; (5) a statement of research interest (which may include research on pedagogical

focus). Please have three references email their letters directly to cssearch@gwu.edu. Review of applications will begin on January 3, 2019 and will continue until the position is filled.

EEO/AA Policy:

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

BACKGROUND SCREENING STATEMENT:

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

Georgetown University

Multiple Tenure Track Faculty Positions in Computer Science

The Department of Computer Science at Georgetown University welcomes applications for two tenure-track positions at the assistant professor level:

- One position is in the area of security, cryptography, or privacy. This faculty member would complement our strong existing security group.
- The second position is to complement and bridge with one of our core areas (which are theory; security; and data-centered computing, which includes machine

learning, data mining, AI, and information retrieval). We welcome applications that can engage with these areas, particularly in the broad areas of: programming languages, systems, machine learning, software engineering, or human-computer interaction.

We seek candidates with a strong research track record, a commitment to mentoring Ph.D. students, and enthusiasm for teaching the next generation of computer scientists. We are a rapidly growing department at a top-ranked university in a great location, with a wide variety of cultural opportunities as well as easy access to funding agencies. We are committed to building a diverse intellectual community and strongly encourage applications from those from underrepresented backgrounds.

To apply, or for more information, visit <https://cs.georgetown.edu/jobs>

Georgetown University is an Equal Opportunity/Affirmative Action Employer fully dedicated to achieving a diverse faculty and staff. All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, color, religion, national origin, age, sex (including pregnancy, gender identity and expression, and sexual orientation), disability status, protected veteran status, or any other characteristic protected by law.

Georgia State University

Department of Computer Science Lecturer Position

The Department of Computer Science of Georgia State University invites applications for a lecturer position. The positions will begin in Fall 2019 and an earned Ph.D. in Computer Science is required (candidates who are expected to receive their Ph.D. by December of 2019 will be considered). Preference will be given to candidates with prior experience in teaching undergraduate computer science courses.

The lecturers will be responsible for teaching a wide variety of undergraduate courses, including principles of computer science and programming, theoretical foundations of computer science, data structures, systems-level programming, and computer organization and assembly language. In addition, the lecturers will participate in advising, courses development, and lab supervision.

Georgia State University (GSU) is an urban public research university serving 52,000 students and is centered in the historic financial hub of downtown Atlanta. The Computer Science Department offers programs leading to the B.S., M.S., and Ph.D. degrees in computer science.

At GSU, lecturers play a significant role in achieving the mission of the University. To recognize this, there is a clear career path that includes promotion to Senior Lecturer and Principal Senior Lecturer. This path mirrors the promotion process for tenure-track faculty. All materials

should be submitted to jobs@cs.gsu.edu, with the Computer Science Department. An offer of employment will be conditional on background verification.

Georgia State University, a unit of the University System of Georgia, is an equal opportunity educational institution and an EEO/AA employer. Women and minorities are strongly encouraged to apply. It is our policy to offer equal employment opportunities for all persons without regard to race, color, religion (creed), gender, gender expression, age, national origin (ancestry), disability, marital status, sexual orientation, or military status.

Georgia State University

Tenure-Track Assistant Professorship in Computer Science

The Department of Computer Science at Georgia State University (GSU) is seeking to fill a tenure-track faculty position by Fall 2019 at the assistant professor level with strong research interests in one or more of the following areas: Big Data Management (high-volume and high-velocity image, spatial and temporal data sets with needs for unstructured, spatio-temporal, multimedia data retrieval and indexing), Big Data Analytics (large scale data science, real-time forecasting/prediction, distributed machine learning, data visualization, and cloud computing), and Computer Vision (scientific image analysis, pattern/object recognition and tracking, deep neural networks, and content-based image retrieval). Strong

candidates with related experience will be given consideration as well.

Applicants must be able to demonstrate excellent teaching skills and shall have the following basic qualifications:

1) Ph.D. in computer science or closely related field, 2) evidence of the ability to establish and maintain a successful research program, 3) evidence of the ability to teach at the undergraduate and graduate levels, 4) evidence of the ability to work in a large, collaborative effort. Postdoctoral research experience is not required, but is a significant plus. Applications should include 1) a CV, including a complete publication list, 2) a statement of research interests and a description of how this research is aligned with the above research initiative, 3) a statement of teaching experience and philosophy with a focus on inclusiveness and active learning, and 4) contact information for at least three references. All materials should be submitted to jobs@cs.gsu.edu, with the Computer Science Department. An offer of employment will be conditional on background verification.

Georgia State University, located in the heart of downtown Atlanta, is a major research university with an enrollment of more than 32,000 students. The Computer Science department's Ph.D. program is nationally competitive and ranked among the best in the Southeast, according to National Research Council data. The program also has a high rank in several categories at the Ph.Ds.org website. The department's faculty attracts substantial

funding from many federal agencies, including six NSF CAREER Awards.

Georgia State University, a unit of the University System of Georgia, is an equal opportunity educational institution and an EEO/AA employer. Women and minorities are strongly encouraged to apply. It is our policy to offer equal employment opportunities for all persons without regard to race, color, religion (creed), gender, gender expression, age, national origin (ancestry), disability, marital status, sexual orientation, or military status.

Georgia State University

*Computer Science Department
Multiple Faculty Positions*

Financial Technology, Cybersecurity, and Public Safety (Next Generation Faculty Program)

The position is open to candidates with an established publication and funding record and can be hired at the rank of Associate Professor or Professor. Applicants must have technical and methodological expertise related to cybersecurity, and the ability to work in multidisciplinary teams. All areas within cybersecurity will be considered, however expertise in evidence-based cybersecurity, cybersecurity of blockchain applications and technologies, privacy and security in the fintech industry, and privacy aware computing is preferred. They must have an established record of scholarship that has resulted in, and will continue to result in, publications in premier journals and conference proceedings. They should also

have had an established track of securing external funding or the potential to attract external funding from national agencies as well as industry. Applicants must have a Ph.D. degree in computer science or related disciplines from a nationally accredited university or international equivalent. Ideal candidates will possess strong theoretical development skills and be able to apply cutting-edge methodologies. Applicants should apply at <http://academicjobsonline.org/ajojobs/12499>

CyberSecurity - Trans Cultural Violence and Extremism (Next Generation Faculty Program)

Georgia State University anticipates hiring a tenure-track hire at the assistant/associate rank in cyber security to begin Fall 2019, pending budgetary approval. Ph.D. required. Recognizing that non-state and state sponsored actors now seek to destroy, incapacitate, or exploit infrastructures to threaten national security, we are seeking a faculty member with an active research program in the means and methodologies of how such groups expand their power and influence through attacks in and through the online environment. The targeted hire should bring expertise in discerning patterns in malevolent hacker behavior, identifying sources of online propaganda, and/or detecting and developing profiles for insider threat. Competitive candidates should ideally be able to demonstrate evidence of effort in attracting grant, contract or other extramural funding.

The hire will join an interdisciplinary team of Georgia State scholars working on Transcultural Conflict and Violent Extremism (TCVE), with their home department negotiable. TCVE brings together scholars from Anthropology, Communication Studies, Computer Science, Global Studies, Political Science, Psychology, and Religious Studies, and a dozen, competitively selected, Presidential Ph.D. Fellows to better understand the causes and solutions regarding conflict and violent extremism happening around the globe. Our team has received support for its research program from DOJ, DHS, the British Foreign Council, NSF, NIJ, and the Department of Defense, among others.

To apply, candidates should send a letter of interest, curriculum vita, and three letters of reference to Carol Winkler at cwinkler@gsu.edu.

Harnessing Modern Biotechnologies and Bioinformatics to Improve Public Health (Next Generation Faculty Program)

Georgia State University invites applications for tenure-track faculty positions at the assistant or associate levels, in the areas of computational genomics and bioinformatics. This candidate will join a new interdisciplinary cluster of faculty from public health, computer science, and biomedical sciences as part of a university wide effort to deepen a select number of strong research areas. Candidates should have a strong background in one of the following areas: bioinformatics, computational biology, mathematical modeling, and data

analysis. A Ph.D. in Computer Science, Applied Mathematics, Bioinformatics, Computational Biology, Biomedical Engineering or related areas, is required. Preference will be given to those candidates who have a strong record of independent or collaborative research and teaching, and a strong potential for securing external funding. The Georgia State University has a significant strength in biomedical sciences,

particularly in infectious disease, microbial pathogenesis, inflammation and immunity. We expect the successful candidates to be able to work with a team of faculty members from Computer Science, Public Health, Mathematics and Statistics, Institute of Biomedical Sciences (IBMS), Biology, the Neuroscience Institute and/or Center for Diagnostics and Therapeutics (CDT), synergistically advance biomedical science research at



The School of Computing & Information Systems at Grand Valley State University seeks to fill tenure-track assistant/associate professor positions in computer science, information systems, or information technology beginning fall 2019.

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

Applicants should be qualified to teach core areas of computer science, information systems, or information technology. Candidates with the ability to teach **database, operating systems** and/or **machine learning** are especially encouraged to apply.

The School of CIS offers ABET accredited undergraduate programs, several minors, and master's degrees. The School has 38 full-time faculty, 800 undergraduate majors and 150 graduate students. Grand Valley has 25,000 students and is the fastest growing Michigan state supported university.

The Grand Valley campuses are located in Allendale and downtown Grand Rapids, which is the second largest metropolitan area in Michigan. The area offers numerous cultural and recreational opportunities, a moderate cost of living, and a high quality of life. Visit www.experiencegr.com or www.hellowestmichigan.com for information on living in the west Michigan area. Refer to our web site (www.cis.gvsu.edu) for additional information about our faculty, students, and university (www.gvsu.edu).

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

GSU. Applicants should apply at <http://academicjobsonline.org/ajo/jobs/12784>

Lecturer Position

The Department of Computer Science of Georgia State University invites applications for a fulltime lecturer position. The lecturer will be responsible for teaching a wide variety of undergraduate courses to a diverse student body, but the successful candidate should have a specialization in software engineering, with a possible secondary area of expertise in data science. In addition, the successful candidate must be able to demonstrate expertise in teaching innovation. Preference will be given to candidates with prior experience teaching undergraduate computer science courses. The Computer Science Department offers programs leading to the B.S., M.S., and Ph.D. degrees in computer science.

Applicants should apply at <http://academicjobsonline.org/ajo/jobs/12710>.

An offer of employment will be conditional upon background verification. Georgia State University, a Research University of the University System of Georgia, is an EEO/AA Employer and does not discriminate against applicants due to race, ethnicity, gender, veteran status or on the basis of disability or any other federal, state, or local protected class. We strongly encourage applications from women and minority candidates.

Hamilton College

Visiting Assistant Professor of Computer Science

The Computer Science Department at Hamilton College invites applicants to apply for the position of Visiting Assistant Professor beginning on July 1, 2019. This position will be for two years initially, and may be renewed for an additional two year term contingent on need and successful reappointment. A Ph.D. in computer science or related field is required. The successful candidate will be comfortable teaching at the introductory and intermediate levels, in both classroom and laboratory settings. Previous experience teaching or working with diverse student populations is an asset. Your cover letter should address the ways in which you would further the College's goal of building an inclusive educational environment.

Applicants should submit a CV, statements of teaching and research interests, and arrange for submission of three letters of reference to <http://apply.interfolio.com/57178>. Questions may be directed to Professor Alistair Campbell, acampbel@hamilton.edu. Review of materials will begin November 5, 2018. Hamilton (www.hamilton.edu) is a residential liberal arts college located in upstate New York. Applicants with dual-career considerations can find other Hamilton and nearby academic job listings at www.upstatenyherc.org, as well as additional information at: [https://www.hamilton.edu/offices/dof/faculty-support-resources-](https://www.hamilton.edu/offices/dof/faculty-support-resources/resources-)

[for-prospective-or-new-faculty/opportunities-for-spouses-or-partners](#).

Hamilton College is an affirmative action, equal opportunity employer and is committed to diversity in all areas of the campus community. Hamilton provides domestic partner benefits. Candidates from underrepresented groups in higher education are especially encouraged to apply.

Hartwick College

Assistant Professor - Management Information Systems

Management Information Systems: The Departments of Business Administration & Accounting and Computer & Information Sciences at Hartwick College invite applications for a full-time, tenure-track appointment at the rank of Assistant Professor starting in August 2019.

For detailed information about this position and how to apply, please visit our website, <http://www.hartwick.edu/about-us/employment/human-resources/employment-opportunities/faculty-positions>

Harvard John A. Paulson School of Engineering and Applied Sciences

Tenured Track Professor in Computer Science

The Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) seeks applicants for a position at the tenured level in the area of Machine

Learning, with an expected start date of July 1, 2019.

We seek a computer scientist whose research accomplishments include fundamental advances in machine learning.

Computer Science at Harvard is enjoying a period of substantial growth in numbers of students and faculty hiring, and in expanded facilities. We benefit from outstanding undergraduate and graduate students, world-leading faculty, an excellent location, significant industrial collaboration, and substantial support from the Harvard Paulson School. For more information, see <http://www.seas.harvard.edu/computer-science>.

The associated Center for Research on Computation and Society (<http://cracs.seas.harvard.edu/>), Berkman Klein Center for Internet & Society (<http://cyber.harvard.edu>), Data Science Initiative (<https://datascience.harvard.edu/>), and Institute for Applied Computational Science (<http://iacs.seas.harvard.edu>) foster connections among computer science and other disciplines throughout the university.

Candidates are required to have a doctoral degree in computer science or a related area.

Required application documents include a cover letter, CV, a statement of research interests, a teaching statement, and up to three representative papers. Candidates are also required to submit the names and contact information for at least three references. **Applicants can apply**

online at <http://academicpositions.harvard.edu/postings/8609>.

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions or any other characteristic protected by law.

Hobart and William Smith Colleges

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Hobart and William Smith Colleges invites applications for a tenure-track position in computer science to begin July 1, 2019. Candidates with a teaching or research interest in systems or hardware (especially robotics, operating systems, networks, and/or computer architecture) are particularly encouraged to apply, but other areas that complement the department's current expertise will be considered.

Experience with and/or interest in working in a multicultural environment and encouraging excellence in computer science from students with diverse backgrounds and experiences are highly desirable. Evidence of ongoing research potential and a strong commitment to undergraduate teaching at all levels are essential. The teaching load is five courses over two semesters, and

candidates should be prepared to teach a variety of computer science courses. Participation in the Colleges' general curriculum and mentoring of students in research are strongly encouraged.

Applicants must have a Ph.D. in computer science or an equivalent field, or expect to defend their dissertation by August 2019.

A full position announcement with application instructions is available at <https://academicjobsonline.org/ajo/jobs/11878>. Applications received by December 10 will receive full consideration. Contact: lasseter@hws.edu.

Hong Kong Baptist University

UNIVERSITY RESEARCH CLUSTERS

Research Assistant Professor

Embarking on a new stage of development, Hong Kong Baptist University (HKBU) has launched institutional research clusters to underpin interdisciplinary research and theme-based research for promoting research excellence and knowledge/technology transfer. The University is recruiting Research Assistant Professors to support the development of three Research Clusters in the strategic areas and themes listed below.

Cluster in Creative Media/Practice (PRO190/18-19)

Areas of Focus: Film, Creative Writing, Music Performance, Music Composition, Visual and Media Arts
Research Themes:

- Interdisciplinary Creative Practice
- Creative Media and Arts Practice for Cultural Engagement and Social Transformation

Cluster in Health and Drug Discovery (PR0189/18-19)

Areas of Focus: Chinese medicine, Drug design, delivery and imaging, Pharmacokinetics, Immunology, Joint-bone diseases, Neurodegeneration
Research Themes:

- Chinese Medicine Based Drug Screening & Delivery
- Neurodegeneration - Joint & Bone Diseases
- Healthy and Active Living

Cluster in Data Analytics and Artificial Intelligence in “X” (PR0191/18-19)

Areas of Focus: Data journalism, digital humanities, healthcare and Fintech
Research Themes:

- Chinese Medicine and Health
- Social Communications and Digital Media
- Geoinformatics and Environment

Candidates with the background in the above disciplines, or combination of such, are invited to apply. The appointee should have a demonstrable interest in interdisciplinary research and collaborative work across the above disciplines at HKBU. The appointee is also expected to conduct independent research of high quality and submit grant proposals. Applicants should possess a PhD degree in relevant fields.

Initial appointment will be made on a fixed term contract of two to three years.



Idaho State UNIVERSITY

College Of Science And Engineering Faculty

To participate in an interdisciplinary community of engineers and scientists focused on energy generation, distribution and security

Idaho State University (ISU) seeks to develop an interdisciplinary community of scholars who will build and sustain educational and research excellence in technology and its energy applications.

Applicants from the fields of electrical engineering, computer engineering, cybersecurity, computer science and data science are encouraged to apply. Subject matter expertise in energy-relevant areas of informatics, cybersecurity and smart-grid technology are of particular interest. Applications are for tenure track or tenured positions at the rank of assistant or associate professor in the College of Science and Engineering. The positions will be located at ISU's campus in Idaho Falls.

Detailed information about the position and ISU's profile can be found at: <http://apptkr.com/1346281>
Contact us at: ISUFacultyCOSE@academic-search.com

ACADEMIC SEARCH

Re-appointment thereafter is subject to performance review, mutual agreement and availability of funding.

For enquiry, please contact the Convenor of the respective Clusters:

Creative Media/Practice

Prof. Johnny Poon (email: creative@hkbu.edu.hk)

Health and Drug Discovery

Prof. Chris Wong (email: health-dd@hkbu.edu.hk)

Data Analytics and Artificial Intelligence in “X”

Prof. P C Yuen (email: data-ai@hkbu.edu.hk)

More information about the three Research Clusters can be found on the website of the HKBU's Graduate School (<https://gs.hkbu.edu.hk/research/hkbu-research-strategy>).

Salary will be commensurate with qualifications and experience.

Application Procedure:

Applicants are invited to submit their applications at the HKBU e-Recruitment System (jobs.hkbu.edu.hk). Applicants are requested to send in samples of publications, preferably three best ones out of their most recent publications. Applicants should also request two referees to send in confidential letters of reference, with PR number (stated above) quoted on the letters, to the Personnel Office (email: recruit@hkbu.edu.hk) direct. All application materials including publication samples, scholarly/creative works will not be returned after the completion of the recruitment exercise unless upon request. Details of the University's Personal Information Collection Statement can be found at <http://pers.hkbu.edu.hk/pics>.

The University reserves the right not to make an appointment for the posts advertised, and the appointment will be made according to the terms and conditions applicable at the time of offer.

Review of applications is on-going and will continue until the positions are filled.

Illinois Institute of Technology

Tenure Track

The Department of Computer Science at Illinois Institute of Technology seeks applications for multiple tenure-track positions starting in Fall 2019, with

a preference for appointment at the rank of Assistant Professor, although extremely highly-qualified candidates may be considered for appointment at higher rank. Exceptional candidates will be considered for a Chris Gladwin Junior Development Chair.

Applicants 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. While excellent candidates from all areas of computer science will be considered, candidates in cybersecurity, data science, computer systems, cloud and distributed systems, programming

languages, and all areas related to AI and machine learning are especially encouraged to apply.

The Department of Computer Science at Illinois Institute of Technology has recently received a major gift and is in the middle of significant growth in faculty hiring and student enrollment as well as space and infrastructure improvements for research and teaching. The Department offers B.S., M.S., and Ph.D., degrees in Computer Science, and several of its faculty members are NSF CAREER Award winners and IEEE/ACM/AAAS fellows.

Illinois Institute of Technology, located within 10 minutes of downtown Chicago,



Postdoctoral Fellow in Center for Complex Networks and Systems

The Center for Complex Networks and Systems Research (CNetS.indiana.edu) has one open postdoctoral position to study critical processes in networks of networks. The appointment starts in February 2019 for one year and is renewable for another year, subject to funding and performance. The salary is competitive and benefits are generous.

The postdoc will join a dynamic and interdisciplinary team that includes computer, physical, and cognitive scientists. The postdoc will work with Prof. Filippo Radicchi (homes.soic.indiana.edu/filiradi/)

Qualifications:

The ideal candidate will have a PhD in Physics or Applied Mathematics; a strong background in analysis and modeling of complex systems and networks; and solid programming skills necessary to handle big data and develop large scale simulations.

Salary: Commensurate with qualifications and experience

Rank: Postdoctoral Fellow (RSP)

Appointment Type: Twelve-month non-tenure track appointment subject to satisfactory performance and funding; Potential to be extended annually for a maximum term of 2 years, subject to performance and funding. Position is currently funded for two years.

Apply Online at: <https://indiana.peopleadmin.com/postings/7112>

Special Instructions: Interested applicants should upload a letter of interest, CV, and contact information for three professional references using above application link.

Questions may be sent to filiradi@indiana.edu

For Best Consideration Apply By: December 31, 2018

Ideal Start Date for position: February 15, 2019

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



Faculty Positions in Intelligent Systems Engineering

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for two tenure track faculty positions in Intelligent Systems Engineering (ISE) to begin in Fall 2019. Positions are expected to be filled at the assistant professor level but the associate or full professor level may be considered. Duties include research, teaching, and service. ISE is an innovative program that focuses on the intersection of sophisticated computing methods and information technology with critical engineering problems. Current foci include bioengineering, computer engineering, robotics and cyberphysical systems, molecular and nanoscale engineering, environmental engineering, neuro-engineering, and intelligent systems. We are particularly interested in hiring in the areas of **computer engineering and computer systems engineering such as intelligent systems, applied machine learning and artificial intelligence, cloud computing, and cyberphysical systems.**

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

Applicants should have demonstrable potential for excellence in research and teaching (junior level), or an established record of excellence in both (senior level), and a PhD in Engineering or a related field expected before August 2019. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

SICE is the first school of its kind and among the largest in the country. Its mission is to excel and lead in research, education, and outreach spanning and integrating the breadth of computing, IT and modern engineering. It includes over 130 faculty and 3000 students. Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle.

Interested candidates should review the application requirements and submit their applications at: <https://indiana.peopleadmin.com/postings/7175>

For full consideration, applications are due by January 18, 2019, but will be considered until the positions are filled. Questions may be sent to isecchair@indiana.edu

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

has just finished a successful capital campaign that has led to the creation of several endowed positions, increased funding for scholarships, and construction of the new Ed Kaplan Family Institute for Innovation and Tech Entrepreneurship.

Evaluation of applications will start on December 1st, 2018 and continue until the positions are filled. Illinois Institute of Technology is an equal opportunity/affirmative action employer. Women and underrepresented minorities are strongly encouraged to apply. Applicants should apply online at <https://academicjobsonline.org/ajo/jobs/12703>.

Indian School of Business

Positions in Information Systems Area- Academic Year 2019-2020

The Indian School of Business (ISB), is a not for profit, independent, research-driven, global business school with two campuses located in Hyderabad and Mohali, India. A collaborative effort of eminent business leaders, entrepreneurs, and academicians from around the world laid the foundation for the School.

In the year 2001, the School launched its first one year Post Graduate Programme in Management (PGP), equivalent to the 2 year MBA Courses offered by premier Business Schools in India. This year, the 18th Batch has commenced from April 2018. The Indian School of Business is one of the youngest schools to have consistently been ranked among the top business schools globally by the Financial Times Global MBA rankings since 2008.

The Indian School of Business has a *unique portfolio faculty model* which accommodates a mix of accomplished resident faculty who have graduated from the best universities, primarily in the USA, Europe, Singapore and India, and have published in leading academic journals in their respective fields, and visiting faculty from our associate schools, namely the Wharton School, the Kellogg School of Management, the London Business School, MIT Sloan School of Management, and The Fletcher School as well as other leading business schools. The Senior faculty members from our associate schools are designated as Area Leaders. They play a key role in the academic programmes and research at ISB. In consultation with the resident faculty, they actively engage in formulating the curriculum, attracting the best faculty to the School, mentoring junior faculty, and providing direction to research in the relevant subject areas. The School also provides a vibrant research environment that attracts, supports and benefits from the Visiting scholars it hosts every year.

The Indian School of Business invites applications for full-time clinical and tenure-track faculty positions in the area of Information Systems at all levels - **Assistant (tenure track and clinical), Associate (tenure-track or tenured and clinical), and Full Professor (tenured and clinical) for appointments in the 2019-2020 academic year which begins in April, 2019.** Applicants must have a PhD from a reputed institution, have excellent research and teaching skills,

demonstrate ability to produce scholarly work at the highest level, as well as demonstrate the capability to become an outstanding teacher. Applicants for senior appointments should have published extensively in top-tier refereed journals and have a proven track record of successfully mentoring junior faculty. As an institution aspiring to be counted among the top 10 in the world, ISB offers a unique opportunity for its senior faculty members to exert considerable influence over the culture and ethos of the School.

The Indian School of Business has a tenure system similar to the top schools in United States and is an equal opportunity employer. The compensation and the teaching loads are competitive. The research support includes excellent infrastructure, research funding and research assistance which compare favorably with those at the best business schools in United States and Europe.

Ideally the candidates should plan to join by April 2019 (negotiable).

Interested candidates are requested to send their CV, sample publications and working papers as well as arrange for three reference letters, in electronic form only, to:

Email: is_recruiting@isb.edu with a copy to Professor Deepa Mani - deepa_mani@isb.edu

Faculty members from the ISB will be available for initial meetings at the Annual INFORMS Meeting in Phoenix, AZ, November 4-7, 2018 as well as during ICIS in San Francisco, California, December 13-16, 2018. To be considered for meetings

in INFORMS, candidates are strongly encouraged to submit their material by November 1, whereas for meetings in ICIS, the material may be submitted by December 10.

IU School of Informatics and Computing

Open Rank Tenured and/or Tenure-Track Faculty in Library and Information Science

The Indiana University School of Informatics and Computing at IUPUI invites applications for one tenured or tenure-track faculty position (open rank) in the Department of Library and Information Science (LIS). The appointment will begin August 1, 2019 at the Indiana University-Purdue University Indianapolis (IUPUI) campus. Exceptional teachers and researchers are being sought. The LIS Department is developing undergraduate applied data science programs, collaborates on graduate data science initiatives, and has an ALA accredited Master of Library Science degree program delivered through online methods.

Areas of special interest include but not limited to:

- Children/youth services
- Digital youth
- Youth STEM education
- Youth and Technology

The department collaborates closely with the Human Centered Computing and the BioHealth Informatics Departments in

the application of technology to address information needs.

By strengthening or complementing existing faculty in the department and school, ideal candidates will use creative, innovative approaches and technologies to address fundamental information challenges with broad societal impact and have the potential to leverage the strengths of the IUPUI campus, including its unique location in downtown Indianapolis, interdisciplinary and collaborative environment and nation-wide leadership in the health and life sciences. The IUPUI campus values civic engagement.

Applications can be submitted at <https://indiana.peopleadmin.com/postings/6468>. Questions pertaining to this position may be directed to Dr. Ayoung Yoon, ayyoon@iupui.edu.

Indiana University is an equal employment and Affirmative Action Employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status. Indiana University does not discriminate on the basis of sex in its educational programs and activities, including employment and admission, as required by Title IX. Questions or complaints regarding Title IX may be referred to the U.S. Department of Education Office for Civil Rights or the

university Title IX Coordinator. See Indiana University's Notice of Non-Discrimination [here](#) which includes contact information.

IUPUI

Tenure Track Faculty in Computer Science

The Department of Computer and Information Science at IUPUI invites applications for at least one, possibly two, tenure track faculty positions at the rank of Assistant Professor, though outstanding candidates at the rank of Associate Professor will also be considered. While we welcome applicants in all areas of computer science to apply, we are especially interested in candidates in the areas of Software Engineering, Artificial Intelligence (machine learning, natural language processing, deep learning) and Cyber Security. The positions will begin in August 2019. An applicant must hold a Ph.D. in Computer Science or related fields, and is expected to develop a high-quality externally funded research program and be committed to excellence in teaching undergraduate and graduate students.

Applications should be submitted at <https://indiana.peopleadmin.com/postings/6832> and must consist of a letter of interest, curriculum vitae, and a statement of research direction and teaching interest. Questions pertaining to this position may be directed to Nicole Wittlief (wittlief@iupui.edu). Evaluation of applications will begin on January 15, 2019 and will continue until the position is filled.

The IUPUI campus, located in downtown Indianapolis, is an urban comprehensive research university with 17 academic schools, including one of the largest medical schools in the nation. The Department of Computer and Information Science offers Purdue University degrees at the Bachelor, Master, and Ph.D. levels. The Department currently has 15 full-time tenure track faculty and 3 full-time lecturers. The CIS faculty members are committed to high quality research and teaching. Faculty research programs are well funded by NSF (including several CAREER awards in recent years), NIH, NASA, NSA, DHS, NIJ and DoD. For further information about the Department, please visit <https://cs.iupui.edu>.

IUPUI is an EEO/AA Employer, M/F/D. We are committed to achieving excellence through diversity. Applications and nominations of women, persons of color, applicants with disabilities, and members of other under-represented groups are desired.

Johns Hopkins Mathematical Institute for Data Science (MINDS)

Faculty Position in Data Science

The Johns Hopkins Mathematical Institute for Data Science (MINDS) invites applications for a tenure-track faculty position. The successful candidate is expected to conduct fundamental research in the mathematical, statistical and computational foundations of machine learning.

Outstanding candidates at all academic ranks will be considered. Candidates must hold a Ph.D. in Applied Mathematics, Biomedical Engineering, Computer Science, Electrical Engineering, Mathematics, Statistics, or related fields, and will be expected to establish a strong, independent, multidisciplinary, and internationally recognized research program. Commitment to teaching excellence at the undergraduate and graduate levels is required.

Primary appointments will be in the academic Department most appropriate for the candidate within the Whiting School of Engineering – e.g. Applied Math and Statistics, Biomedical Engineering, Computer Science, or Electrical and Computer Engineering. For additional information see <https://www.minds.jhu.edu/job-openings/>.

Opportunities for interactions across the University include the Center for Imaging Science, the Center for Language and Speech Processing, the Laboratory for Computational Sensing and Robotics, the Institute for Data Intensive Engineering and Science, the Institute for Computational Medicine, the Malone Center for Engineering in Healthcare, the Johns Hopkins Applied Physics Laboratory, the Johns Hopkins School of Medicine, the Krieger School of Arts and Sciences, and the Bloomberg School of Public Health.

All applicants should submit their application online at <https://apply.interfolio.com/57726>. Electronic applications should include a cover letter describing the principal expertise

of the applicant, a statement of teaching interests, a statement of research interests, a complete resume, and a publication list. Applications at the Assistant Professor level should also include at least three reference letters. Applications at the Associate or Full Professor levels should not include reference letters or names at this stage.

Applications will be reviewed starting January 15, 2019 and will be accepted until the position is filled.

The Johns Hopkins University is an equal opportunity/affirmative action employer that actively encourages interest from minorities and women and is committed to recruiting, supporting, and fostering a diverse community of outstanding faculty, staff, and students. All applicants who share this goal are encouraged to apply. The Johns Hopkins University is an EEO/AA Employer.

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 courses primarily to undergraduate students both within and outside the major. 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. Opportunities to teach graduate level courses will depend on the candidate's background. 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 webpages at <https://cs.jhu.edu> for additional information about the department, including undergraduate programs and current course descriptions.

Applicants for the position should have a Ph.D. in Computer Science or a closely related field; applicants with a Master's degree and significant relevant industry experience will also be considered. 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/55708>. Questions should be directed to lecsearch2018@cs.jhu.edu. For full consideration, applications should be submitted by December 1, 2018. Applications will be accepted until the position is filled.

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.

The Whiting School of Engineering and the Department of Computer Science are committed to building a diverse educational environment.

Johns Hopkins University

Postdoctoral Position in Statistical Genetics and Computational Genomics

Applications are being sought for a post-doctoral position to carry out research in the interface of statistical genetics and computational genomics under joint supervision of Dr. Alexis Battle, Departments of Biomedical Engineering and Computer Science, and Dr. Nilanjan Chatterjee, Departments of Biostatistics and Oncology, at the Johns Hopkins University. Successful candidate will develop and apply computational and statistical methods for the integrated analysis of genome-wide association studies and high throughput molecular traits, such as genome-wide gene expression and methylation, to develop comprehensive understanding of genetic architecture of complex traits and to enhance models for risk prediction for precision medicine applications. Dr. Battle

is a leading expert in computational genomics and machine learning and a key investigator of the Genotype Tissue Expression (GTEx) study. Dr. Chatterjee is a leading expert in statistical genetics with major experience in designing and analysis of large-scale genome-wide association studies of cancers and other endpoints. Joint training would allow the candidate to benefit from diverse expertise across the two groups, which have existing collaborations. Ongoing studies include, but not limited to, GWAS enrichment analysis in relationship to emerging functional genomic data, modelling genetic architecture of cis/trans-eQTL effects, Mendelian Randomization (MR) Analysis for the investigation of cascading causal effects of molecular traits and developing models for genetic risk prediction.

Qualification requires (1) PhD in statistics, computer science, engineering or similar quantitative fields and experience in statistical analysis of large scale genetic and genomic data (2) strong and versatile programming skills for the implementation of novel methods into highly scalable and user friendly software packages (3) ability to work in multi-disciplinary team and (4) strong oral and written communication skill. Interested candidates can email their CV and names of references to Alexis Battle (ajbattle@cs.jhu.edu) or/and Nilanjan Chatterjee (nilanjan@jhu.edu).

Johns Hopkins is an equal opportunity employer. Dr. Battle and Dr. Chatterjee are committed to maintain diverse workforce in their laboratories.

Johns Hopkins University

Postdoctoral Researcher in Computer Networks

The HopNets lab at the Department of Computer Science of the Johns Hopkins University is inviting applications for a postdoctoral researcher position in area of dependable, high-performance data center networks.

The ideal candidate will have a strong background in communication networks. Knowledge and experience in formal methods, algorithms, programmable and software-defined networks, and cloud computing are desirable.

To find out more or to apply please email your CV and a 1-page research statement to soudeh@cs.jhu.edu

KAUST

Multiple Faculty Positions in Machine Learning and Applications of AI (open rank)

The Computer, Electrical, and Mathematical Sciences and Engineering Division at King Abdullah University of Science and Technology (KAUST) invites applications for faculty positions in Machine Learning and Applications of AI. Applications at any rank and of any demographic will be considered, although female candidates and junior researchers are particularly encouraged to apply.

KAUST is seeking candidates with an established track record of research in one of the subareas of Machine

Learning or Artificial Intelligence, including basic methodology (e.g. Deep Learning, Reinforcement Learning, Online Learning, Optimization, and similar topics), as well as applications in areas such as Natural Language Processing, Robotics, and Health Care. Successful candidates will have a PhD in Computer Science or related fields, as well as a strong publication record in the top-tier venues of their respective areas (e.g. NIPS/NeurIPS, ICML, ICLR, AAAI, ACL, AISTATS, CoRL, ICRA, IROS, COLT, JMLR, as well as leading IEEE and SIAM Journals). Senior candidates must have demonstrated strong leadership in the field. Successful candidates will be appointed within the Computer Science program, but will have the opportunity to engage widely with other programs (including Statistics) as well as KAUST research centers.

These positions are part of a strategic expansion of KAUST in Machine Learning and Artificial Intelligence to complement existing strengths in Bioinformatics, Supercomputing, and Visual Computing. Additional faculty positions will be available in future years under this initiative. The KAUST Computer Science program offers a unique combination of an intellectually stimulating environment and access to world-class facilities, including KAUST's 5 Petaflop/s Shaheen-2 supercomputer. KAUST's unique funding and organizational structure allows faculty to prioritize their research program over other professional activities.

KAUST (<https://www.kaust.edu.sa>) is an international, graduate level research university dedicated to advancing science

and technology through interdisciplinary research, education, and innovation. Located on the shores of the Red Sea in Saudi Arabia, KAUST offers superb research facilities, generous assured research funding, and internationally competitive salaries, attracting top international faculty, scientists, engineers, and students to conduct curiosity-driven and goal-oriented research to address the world's pressing scientific and technological challenges related sustainability in energy, water, food, and the environment.

To apply, please visit our web job site: <https://apply.interfolio.com/58109>

Kean University

Assistant Professor

Kean University School of Computer Science Computer Science – to teach both undergraduate and graduate courses. The School has a strong commitment to undergraduate research and offers undergraduate degrees (B.S. in Computer Science-ABET accredited; B.S. Information Technology) and a graduate degree (M.S. in Computer Information Systems). All programs feature small classes in a new building and a collaborative team of faculty with national distinction in undergraduate research mentoring.

Qualifications: Doctorate degree in Computer Science, Information Technology or a related field and an established and active independent research agenda in one of several core areas of interest

including, but not limited to: cybersecurity, data science, artificial intelligence, health information technology, algorithms, systems and web programming is required. Candidates with industry and teaching experience are encouraged to apply

Contact: Computer Science Search Committee, at kucsdept@kean.edu.

Kennesaw State University

Assistant Professor

The Department of Software Engineering and Game Development in the College of Computing and Software Engineering (CCSE) at Kennesaw State University is hiring multiple faculty at the rank of Assistant Professor into the Software Engineering and Computer Game Design and Development programs. We invite you to join us as we take the Department and College to greater levels of excellence in teaching, service, and research.

To find out more about the positions and apply, visit: <https://bit.ly/2lhCpqr>.

Position Requirements: Concerning the two Software Engineering positions, a Ph.D. in software engineering, computer science, a related field, or its foreign equivalent is required. Concerning the Computer Game Design and Development position, a Ph.D. or other terminal degree in a gaming-related field such as Digital Arts, Computer Science, Interactive Multimedia, Game Design, Software Engineering, or a closely related field, or the foreign equivalent is required.

CCSE is home to more than 3,500 students studying Computer Science, Software Engineering, Computer Game Design and Development, and Information Technology within six undergraduate, three masters, ten certificate, and four minor programs. With emphasis on theory and practice, students have experiential learning opportunities and partner with companies through internships, co-ops, sponsored capstone projects, and theoretical and applied research. Our faculty are experts in a wide range of cutting-edge topics, including usability, requirements elicitation, health informatics, cybersecurity, robotics, simulation and modeling, virtual and augmented reality, and high-performance computing. Faculty have access to world-class facilities and labs. Reflecting our core ideals of stewardship and partnership, CCSE is actively engaged in service-based learning with local nonprofits, schools, and businesses.

A leader in innovative teaching and learning, Kennesaw State University offers more than 150 undergraduate, graduate, and doctoral degrees to its more than 35,000 students. With 13 colleges on two metro Atlanta campuses, Kennesaw State is a member of the University System of Georgia and the third-largest university in the state. The university's vibrant campus culture, diverse population, strong global ties, and entrepreneurial spirit draw students from throughout the region and from 92 countries across the globe. The university's alumni network is 100,000+ strong. A Carnegie-designated doctoral institution, it is one of the 50 largest public institutions in the country.

Lawrence Berkeley National Laboratory

Grace Hopper Postdoctoral Fellowship - 85866

Apply now for the Admiral Grace Hopper Postdoctoral Fellowship for High Performance Computing (HPC) application development and optimization. The successful applicant will work in a stimulating environment, present their results at major conferences and workshops and establish strong connections to academic and industry partners.

Apply at <http://50.73.55.13/counter.php?id=146073>

Lehigh University

Department Chair, Computer Science and Engineering

The P.C. Rossin College of Engineering & Applied Science at Lehigh University invites applications and nominations for the position of Chair of the Department of Computer Science and Engineering (CSE). We seek a high-profile, accomplished researcher who is a dynamic leader with a vision to build upon the continued growth and success of the Department and to expand its research efforts.

The Department currently has 14 tenured or tenure-track faculty members and five Professors of Practice. Our undergraduate, Masters, and Ph.D. programs are vibrant and growing, with current enrollments of approximately 350 undergraduate and 50 graduate students. CSE faculty members maintain outstanding international

reputations in a variety of areas, including AI/Data Science, Robotics and Systems. Research expenditures currently exceed \$1.2 million per year.

The faculty includes NSF CAREER award winners and ACM, IEEE and NAI fellows. The Department offers Ph.D. and M.S. degrees in Computer Science. All of our B.S. programs are fully accredited including the unique B.S. in Computer Science and Business which is accredited both in computer science and in business.

Lehigh University is in Bethlehem, PA, in the rapidly growing Lehigh Valley metropolitan area. The Lehigh Valley, with a population over 800,000, is located approximately 1 hour north of Philadelphia and 1.5 hours west of New York City. The University has a current enrollment of approximately 5,000 undergraduate students and 2,000 graduate students, and is planning to increase these enrollments in the next few years. Lehigh is investing substantially in new innovative research and academic programs to enhance its intellectual footprint. These investments, based on faculty-driven initiatives, will advance the University's commitment to research and to enhance student experiences.

The university welcomes applications from, and nominations for, individuals with a strong academic background in computer science. A candidate must possess a Ph.D., have an exemplary record of achievement in research, teaching, and service at a level sufficient for appointment as a tenured Professor, at the rank of full professor, and

demonstrate a commitment to supporting the advancement of fellow faculty members at all levels.

Review of applications will begin immediately and will continue until the position is filled. For full consideration, application materials should be received on-line <https://academicjobsonline.org/ajo/jobs/12180> by December 1, 2018. This position will remain open until filled. Candidates should provide a statement of educational, research, and leadership philosophy, a curriculum vitae, full contact information of at least three references, and a cover letter. Any inquiries regarding this search should be directed to Professors Gary Harlow and Hector Munoz-Avila, Co-Chairs of the Search Committee at (Chair.Search@lehigh.edu).

Lehigh University is an affirmative action/equal opportunity employer that provides competitive salaries and comprehensive benefits and has a well-developed infrastructure to address dual career and work-life balance matters. As demonstrated by the Core Values and the Principles of Our Equitable

Community, Lehigh University is committed to the values of Integrity and Honesty, Equitable Community, Academic Freedom, Intellectual Curiosity, Collaboration, Commitment to Excellence, and Leadership.

Lehigh offers excellent benefits including domestic partner benefits. To find out more, please see: <http://www.lehigh.edu/~inprv/faculty/worklifebalance.html/>

Lehigh University

Teaching Faculty Positions, Computer Science & Engineering

Applications are invited for two full-time, non-tenure track, teaching faculty positions (Professors of Practice) in the Department of Computer Science and Engineering at Lehigh University (<http://www.cse.lehigh.edu>), to start no later than August 2019. An earlier start date may be possible.

Candidates must hold a graduate degree in Computer Science, Computer Engineering, or a closely related field. Successful applicants will be required to teach core courses in computer science as well as elective CSE courses in their areas of interest.

The CSE faculty maintain outstanding international reputations in a variety of research areas, and includes ACM and IEEE fellows as well as five NSF CAREER award winners. The CSE Department currently has 14 tenured or tenure-track faculty members and five Professors of Practice. Our undergraduate, Masters, and Ph.D. programs are vibrant and growing, with current enrollments of approximately 350 undergraduate and 50 graduate students. The department offers B.A., B.S., M.S., and Ph.D. degrees in Computer Science, and also a B.S. in Computer Science and Business in cooperation with the College of Business and Economics.

Located in Bethlehem, Pennsylvania, Lehigh is 80 miles west of New York City and 50 miles north of Philadelphia, providing an accessible and convenient location that

offers an appealing mix of urban and rural lifestyles. Lehigh Valley cities and towns are regularly listed as among the best places to live in the country.

Applications can be submitted online at <https://academicjobsonline.org/ajol/jobs/12249>, and should include a cover letter, curriculum vita, teaching statement, and contact information for at least three references. Review of applications will begin November 1, 2018 and will continue until the position is filled.

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, genetic information, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status. Lehigh University is a 2010 recipient of an NSF ADVANCE Institutional Transformation Grant for promoting the careers of women in academic science and engineering. Lehigh University provides comprehensive benefits including domestic partner benefits (see also <http://www.lehigh.edu/worklifebalance/>). Lehigh Valley Inter-regional Networking & Connecting (LINC) is a newly created regional network of diverse organizations designed to assist new hires with dual career, community and cultural transition needs. Please contact infdcap@lehigh.edu for more information. Questions concerning this search may be sent to pop-search@cse.lehigh.edu.

Lehigh University

Tenure Track Faculty Positions, Computer Science and Engineering

Applications are invited for multiple tenure-track positions in the Computer Science and Engineering Department (<http://www.cse.lehigh.edu>) of Lehigh University. Outstanding candidates in all areas of computer science will be considered, with rank commensurate with experience.

Successful applicants must hold a Ph.D. in Computer Science, Computer Engineering, or a closely related field or receive such a degree prior to the official start of employment. Successful candidates will have the opportunity to participate in one or more of Lehigh's recently established interdisciplinary research institutes.

The Department currently has 14 tenured or tenure-track faculty members and five Professors of Practice. Our undergraduate, Masters, and Ph.D. programs are vibrant and growing, with current enrollments of approximately 350 undergraduate and 50 graduate students. CSE faculty members maintain outstanding international reputations in a variety of areas, including artificial intelligence, data science, robotics and systems.

The faculty includes NSF CAREER award winners and ACM, IEEE, and NAI fellows. The Department offers Ph.D. and M.S. degrees in Computer Science. All of our B.S. programs are fully accredited including the unique B.S. in Computer Science and Business which is accredited both in computer science and in business.

Lehigh University is an affirmative action/equal opportunity employer that provides competitive salaries and comprehensive benefits and has a well-developed infrastructure to address dual career and work-life balance matters. As demonstrated by the Core Values and the Principles of Our Equitable Community, Lehigh University is committed to the values of Integrity and Honesty, Equitable Community, Academic Freedom, Intellectual Curiosity, Collaboration, Commitment to Excellence, and Leadership.

Applications must be submitted online at <https://academicjobsonline.org/ajol/jobs/12323>, and should include a cover letter, curriculum vitae, both teaching and research statements, and contact information for at least three references. Review of applications will begin immediately. Interview invitations and job offers will be made on a rolling basis.

Lehigh University is in Bethlehem, PA, in the rapidly growing Lehigh Valley metropolitan area. The Lehigh Valley, with a population over 800,000, is located approximately 1 hour north of Philadelphia and 1.5 hours west of New York City. The University has a current enrollment of approximately 5,000 undergraduate students and 2,000 graduate students, and is planning to increase these enrollments in the next few years. Lehigh is investing substantially in new innovative research and academic programs to enhance its intellectual footprint. These investments, based on faculty-driven initiatives, will advance the

University's commitment to research and to enhance student experiences.

Questions concerning this search may be sent to faculty-search@cse.lehigh.edu.

Lehigh University

Tenure Track Positions in Foundations of Data Science

The P.C. Rossin College of Engineering & Applied Science at Lehigh University invites applications for tenure-track or tenured faculty positions in the Foundations of Data Science with rank commensurate with experience. Successful candidates will have primary appointment in one of the departments of Industrial and Systems Engineering, Electrical and Computer Engineering, or Computer Science and Engineering. Each of these departments offers accredited bachelor's degrees as well as master's and doctoral programs. Joint appointments between these or with other departments are also possible.

Successful applicants must have a Ph.D. in a field related to data science, such as one of the above engineering disciplines, prior to the official start of employment. Research topics of interest include, but are not limited to: machine learning, data mining, optimization, deep learning, big data, visualization, information retrieval, natural language processing, databases, signal processing, information theory, statistical inference, graphical modeling, and distributed algorithms.

Lehigh University is investing more than \$250M over the next few years on new and innovative research and academic programs to enhance its intellectual footprint and to advance the university's commitment to enhance student experiences. Investments include upgrades to physical plants, research and teaching laboratories, and technical infrastructure. Lehigh recently launched three interdisciplinary research institutes, including one entitled Data, Intelligent Systems, and Computation which supports research in data science and related areas.

Applications must be submitted online at <https://academicjobsonline.org/ajojobs/12523>, and should include a cover letter, curriculum vita, both teaching and research statements, and contact information for at least three references. Review of applications will begin December 1, 2018.

Lehigh is a premier private residential research university, ranked in the top tier of national research universities each year. Located in Bethlehem, Pennsylvania in the scenic Lehigh Valley, the campus is situated on 1,600 acres in close proximity to both New York City and Philadelphia.

Lehigh University is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community. Applications and nominations from female or minority candidates are strongly encouraged. Lehigh University is an affirmative action/equal opportunity

employer and does not discriminate on the basis of age, color, disability, gender, gender identity, genetic information, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status. Lehigh University provides competitive salaries and comprehensive benefits including family leave and domestic partner benefits (see also <http://www.lehigh.edu/worklifebalance/>).

Inquiries regarding this search should be directed to Brian D. Davison or Frank E. Curtis, co-chairs of the Search Committee, at data_sci_search@lehigh.edu.

Lehigh University

Tenure-track Positions in Cyber-Physical and Sensing Systems

The P.C. Rossin College of Engineering & Applied Science at Lehigh University invites applications from qualified individuals for tenure-track faculty positions at all levels in the broad field of Cyber-Physical and Sensor Systems (CPSS). We aim to expand our interdisciplinary, multi-departmental team by hiring in multiple areas of CPSS, including hardware, software, algorithms and optimization, and applications to health and healthcare delivery, energy systems, infrastructure, and Internet of Things. Research topics of interest include, but are not limited to: infrastructure design and operation, optimization of energy systems, artificial intelligence and machine learning, health care systems engineering, remote sensor networks, wearable sensors, flexible electronics, diagnostic devices, embedded

systems, edge computing, autonomous and real-time systems, and security and reliability of systems and networks. Multiple positions are available in the Industrial and Systems Engineering, Bioengineering, Computer Science and Engineering, and Electrical and Computer Engineering Departments. Our vision is for Lehigh University to achieve national prominence and leadership in the rapidly growing area of CPSS, and we are committed to growing our research footprint in this space.

A candidate should possess a Ph.D. in a related field. For full consideration, applicant materials must be received on-line at <https://academicjobsonline.org/ajojobs/12345> by 12/01/2018. Review of applications will continue until the positions are filled. Candidates should submit the following: 1) a cover letter indicating the area of specialization, desired faculty rank, and desired home department (from the list above), 2) curriculum vitae, 3) a statement of current and future research directions, 4) a teaching statement, 5) copies of 3 representative papers, and 6) name and contact information for at least three references. Inquiries regarding this search can be directed to Professor Larry Snyder and Professor Yevgeny Berdichevsky, Co-Chairs of the Search Committee, at cpss-search@lehigh.edu.

Lehigh is a premier research university, consistently ranked in the top tier of national research universities each year. Lehigh University is a coeducational, nondenominational, private university

that offers a distinctive academic environment for undergraduate and graduate students from across the globe. Located in Pennsylvania's scenic Lehigh Valley, the campus is situated on 1,600 acres in close proximity to both New York City and Philadelphia.

Lehigh University is investing more than \$250M over the next few years on new innovative research and academic programs to enhance its intellectual footprint. The investments, based on faculty-driven initiatives, will advance the university's mission and commitment to enhance student experiences. Investments will include upgrades to physical plants, research and teaching laboratories, and technical infrastructure.

Lehigh is also committed to supporting an inclusive, equitable and diverse learning and research environment. Lehigh University is a 2010 recipient of an NSF ADVANCE Institutional Transformation Grant and has leveraged this grant to diversify and strengthen the professoriate in all disciplines. Lehigh offers competitive salaries and excellent benefits including domestic partner benefits.

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, genetic information, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status.

Louisiana State University

Assistant Professor (Tenure-Track)

School of Computer Science and Engineering

The Division of Computer Science and Engineering (CSE) within the School of Electrical Engineering and Computer Science (EECS) at Louisiana State University (LSU) Baton Rouge invites applications for a tenure-track assistant professor positions beginning August 2019 in the areas of cyber security and operations. Candidates with a strong background in systems security, software security, malware analysis, intrusion detection and prevention, security information and event management, privacy assurance, and applications of cryptography are particularly welcome.

The School of Electrical Engineering and Computer Science is comprised of the Computer Science and Engineering (CSE) Division and the Electrical and Computer Engineering (ECE) Division. The CSE division (www.cse.lsu.edu) has a strong record in research and graduate training (MS and PhD degrees), with ongoing federal, state and industry-funded research projects in several key areas of computer science. The CSE division offers multiple concentration/specialization options in the undergraduate program and is introducing a new cybersecurity concentration. Excellent opportunities exist for collaboration with the ECE division and other departments in the College of Engineering, and the Center for Computation and Technology. LSU-HPC

provides state-of-the-art supercomputing and storage facilities enabling research collaborations across diverse fields. Women and minorities are strongly encouraged to apply.

Job Responsibilities:

Include establishing a vigorous, externally funded research program, publishing in highly ranked journals and conference proceedings, supervising graduate students, and teaching graduate and undergraduate courses in the applicant's area of specialization, and serving on committees in the division, college, and professional societies. The position will be 50% teaching and 50% research.

Required Qualifications:

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 A.B.D. and will complete the Ph.D. by the time of appointment will be considered.

Additional Position Information:

Background Check—An offer of employment is contingent on a satisfactory pre-employment background check. Application review will begin on December 10, 2019, and will continue until filled.

Benefits—LSU offers outstanding benefits to eligible employees and their dependents including health, life, dental, and vision insurance; flexible spending accounts; retirement options; annual

and sick leave; 14 paid holidays; wellness benefits; tuition exemption; training and development opportunities; employee discounts and more!

LSU is committed to diversity and is an equal opportunity/equal access employer

HCM Contact Information:

Questions or concerns can be directed to the LSU Human Resources Management Office at 225-578-8200 or emailed HR@lsu.edu.

Quick link at ad URL: https://lsu.wdl.myworkdayjobs.com/LSU/job/LSU---Baton-Rouge/Assistant-Professor--Tenure-Track-_R00029754

Louisiana State University

Assistant Professor (Tenure-Track)

School of Computer Science and Engineering

The Division of Computer Science and Engineering (CSE) within the School of Electrical Engineering and Computer Science (EECS) at Louisiana State University (LSU) Baton Rouge invites applications for a tenure-track assistant professor position beginning August 2019 in the areas of computer networks and mobile computing. Candidates with a strong background in software-defined networks, data center networks, embedded/IoT systems, edge/fog computing, and distributed data streaming are particularly welcome.

The School of Electrical Engineering and Computer Science is comprised of the Computer Science and Engineering (CSE) Division and the Electrical and Computer Engineering (ECE) Division. The CSE division (www.cse.lsu.edu) has a strong record in research and graduate training (MS and PhD degrees), with ongoing federal, state and industry-funded research projects in several key areas of computer science. The CSE division offers multiple concentration/specialization options in the undergraduate program, including cloud computing and networking. Excellent opportunities exist for collaboration with the ECE division and other departments in the College of Engineering, and the Center for Computation and Technology. LSU-HPC provides state-of-the-art supercomputing and storage facilities enabling research collaborations across diverse fields. Women and minorities are strongly encouraged to apply.

Job Responsibilities:

Include establishing a vigorous, externally funded research program, publishing in highly ranked journals and conference proceedings, supervising graduate students, and teaching graduate and undergraduate courses in the applicant's area of specialization, and serving on committees in the division, college, and professional societies. The position will be 50% teaching and 50% research.

Required Qualifications:

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 A.B.D. and will complete the Ph.D. by the time of appointment will be considered.

Additional Position Information:

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Benefits - LSU offers outstanding benefits to eligible employees and their dependents including health, life, dental, and vision insurance; flexible spending accounts; retirement options; annual and sick leave; 14 paid holidays; wellness benefits; tuition exemption; training and development opportunities; employee discounts and more!

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HCM Contact Information:

Questions or concerns can be directed to the LSU Human Resources Management Office at 225-578-8200 or emailed HR@lsu.edu.

Quick link at ad URL: https://lsu.wdl.myworkdayjobs.com/LSU/job/LSU---Baton-Rouge/Assistant-Professor--Tenure-Track-_R00029424

Marist College

*Assistant Professor,
Computing Technology*

The Department of Computing Technology in the School of Computer Science at Marist College invites applications for two tenure-

FACULTY POSITION COMPUTER SCIENCE & CYBER ENGINEERING

Applications are invited for multiple positions in the Computer Science and Cyber Engineering programs within the College of Engineering and Science (COES) at Louisiana Tech University for highly qualified research faculty and educators. More details about the college and the programs of Computer Science and Cyber Engineering are available at <http://coes.latech.edu>. The candidate must have earned a Ph.D. in Computer Science, Computer Engineering or a closely related field. Proven research track record, outstanding teaching skills, excellent written and oral communication skills, and a demonstrated commitment to high quality student success are expected. Successful candidates will be expected to perform exceptional research, procure extramural funding to support research, advise graduate and undergraduate students, collaborate with other faculty, and teach effectively both at undergraduate and graduate levels. The programs also have active searches for outstanding lecturers to teach at all levels. <https://www.latech.edu/administration/finance/human-resources/available-jobs/> To apply, send (1) a cover letter, (2) a detailed curriculum vitae, (3) a statement of research, (4) a teaching statement, and (5) full contact information for at least four references, in a single PDF file electronically to cscfacultysearch@latech.edu with the subject line "CS FacultyApplication: <Applicant's Last Name, Applicant's First Name>". Review of applications and nominations will begin immediately, and will continue until suitable candidates are identified. Expected start date is September 1, 2019.



LOUISIANA TECH
UNIVERSITY®

track positions at the rank of Assistant Professor to begin in the Fall of 2019 and in the Spring of 2019 for early applicants.

Qualifications

Candidates must have a Ph.D. in Information Systems, Information Technology, Computer Science, or a closely related field. ABD candidates will be considered on the condition of completing the doctoral degree within one year of hire. The ideal candidate should have experience teaching and conducting research in one or more of the following areas: data communications and networking, cybersecurity, database systems and information management, distributed computing and cloud computing, software development, and systems analysis and design. Exceptional candidates in other areas of computing will be considered.

Successful candidates usually demonstrate interest in teaching undergraduate and graduate courses in both traditional on-ground and online environments; have a solid publication record; demonstrate potential to lead and participate in acquiring external funding for research; demonstrate ability to engage in interdisciplinary research work; possess excellent written and oral communication skills; have a commitment to continued scholarly growth; are willing to participate in college and professional services; and have a genuine desire to contribute to the mission of Marist College.

Duties and Responsibilities

The major responsibilities and duties of a faculty member in our department can be categorized in three groups: Scholarship and Professional Development, Service,

and Teaching. For Scholarship and Professional Development, our faculty members are expected to produce high quality research in the form of publications and presentations, and involve students in some of these research projects; also to participate in peer reviews, and engage in activities that further develop the faculty skills, knowledge, and productivity. With respect to Service, our faculty are expected to participate in faculty governance by leading faculty appointed committees, mentoring student affinity groups, advising students as they make progress in their college studies, and further the quality of their own department by evaluating and producing novel curriculum that reflects the state of the art in computing technology. In Teaching, faculty are expected to teach their courses using academic technology, excellent communication skills, and state of the art techniques to appropriately prepare the students to succeed in their careers, all the while fulfilling both the institutional and departmental goals set forth.

About the Department of Computing Technology

The Department of Computing Technology, formed of faculty in both Computer Science and Information Technology & Systems, provides a challenging curriculum and has access to the full spectrum of state-of-the-art equipment. Our existing research is driven by our brand new Cyber Security Operations Center, the Enterprise Computing Research Lab, the IBM Joint Study, our Institute for Data Center Professionals,

and the New York State Cloud Computing and Analytics Center.

About Marist

Marist College is located on the banks of the historic Hudson River midway between New York City and Albany and at its Florence, Italy campus. A comprehensive, independent institution grounded in the liberal arts, its mission is to “help students develop the intellect, character, and skills required for enlightened, ethical, and productive lives in the global community of the 21st century.” Marist is consistently recognized for excellence by The Princeton Review (Colleges That Create Futures and The Best 384 Colleges), U.S. News & World Report (8th Best Regional University/North), Kiplinger’s Personal Finance (“Best College Values”), and others. Marist educates approximately 5,000 traditional-age undergraduate students and 1,400 adult and graduate students in 47 undergraduate majors and numerous graduate programs, including fully online MBA, MPA, MS, and MA degrees.

Applications

To learn more or to apply, please visit <https://applyl.ink/2L9TvbF>. Only online applications are accepted.

Marist College is strongly committed to the principle of diversity and is especially interested in receiving applications from members of ethnic and racial minority groups, women, individuals with disabilities, veterans, and persons from other under-represented groups.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Marist College

*Professional Lecturer,
Computing Technology*

The Department of Computing Technology in the School of Computer Science at Marist College invites applications for the full-time faculty position of Professional Lecturer to begin in the Fall of 2019 and in the Spring of 2019 for early applicants.

Qualifications

Candidates must have a Master’s degree or higher in Information Systems, Information Technology, Computer Science, or a closely related field. The ideal candidate should have experience teaching in one or more of the following areas: data communications and networking, cybersecurity, database systems and information management, distributed computing and cloud computing, software development, and systems analysis and design. Evidence of excellence in teaching and scholarly work is required, as well as participation in service to the school and college. Excellent written and oral communication skills are required. Industry and/or consulting experience is highly desirable. As our programs host a diverse population, the proven ability to work effectively in a multicultural environment is highly regarded.

Duties and Responsibilities

Your responsibilities will necessitate your ability to teach in multiple areas across several disciplines over time, so you will be required to learn new topics, develop

new teaching approaches, and potentially even create new course materials to augment existing or create brand new courses. Bringing industry expertise into the classroom from your own personal experience or by inviting guest speakers from your network is also routinely required. Teaching responsibilities may include undergraduate and graduate courses in both on-ground and online environments. Advising/mentoring of students is expected with a minimum of 5 hours/week of mandatory office hours, but is also encouraged through other engagement opportunities such as supporting clubs, attending sports and social gatherings, and participating in open house events. Additional service to the college community is expected through serving on department, school or college committees. Additionally, you will be required to seek out and engage in professional development activities in order to remain current and relevant.

About the Department of Computing Technology

The Department of Computing Technology, formed of faculty in both Computer Science and Information Technology & Systems, provides a challenging curriculum and has access to the full spectrum of state-of-the-art equipment. Our existing research is driven by our brand new Cyber Security Operations Center, the Enterprise Computing Research Lab, the IBM Joint Study, our Institute for Data Center Professionals, and the New York State Cloud Computing and Analytics Center.

About Marist

Marist College is located on the banks of the historic Hudson River midway between New York City and Albany and at its Florence, Italy campus. A comprehensive, independent institution grounded in the liberal arts, its mission is to “help students develop the intellect, character, and skills required for enlightened, ethical, and productive lives in the global community of the 21st century.” Marist is consistently recognized for excellence by The Princeton Review (Colleges That Create Futures and The Best 384 Colleges), U.S. News & World Report (8th Best Regional University/North), Kiplinger’s Personal Finance (“Best College Values”), and others. Marist educates approximately 5,000 traditional-age undergraduate students and 1,400 adult and graduate students in

47 undergraduate majors and numerous graduate programs, including fully online MBA, MPA, MS, and MA degrees.

Applications

To learn more or to apply, please visit <https://applyl.ink/2LfjSpW>. Only online applications are accepted.

Marist College is strongly committed to the principle of diversity and is especially interested in receiving applications from members of ethnic and racial minority groups, women, individuals with disabilities, veterans, and persons from other under-represented groups.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER



Department of Mathematics,
Statistics & Computer Science

Cudahy Hall, 340
P.O. Box 1881
Milwaukee, WI, 53201-1881

P (414) 288-7573
F (414) 288-5472
W marquette.edu/mscs

Two Tenure-track Northwestern Mutual Assistant Professor Positions in Computer Science Marquette University

The Department of Mathematics, Statistics and Computer Science of Marquette University invites applications for two tenure-track Northwestern Mutual Assistant Professor positions in computer science to begin in August 2019 within the new Department of Computer Science (on track to launch in Fall 2019). The Department seek individuals with a doctorate by time of appointment in computer science or a closely related field, whose area of expertise addresses one of the many facets of the broadly defined areas in **data science** and **big data**. Examples include data-focused research in **machine learning, computational biology/bioinformatics, data science foundations/algorithms, security, visualization, human computer interaction, cloud computing, and mHealth/global health**. Candidates with research in other areas with similar data science emphasis will be considered and are encouraged to apply. Exceptional candidates with research interests in other areas related to computer science will also be considered. Preference will be given to applicants whose strong research record demonstrates potential for establishing an externally funded research program, and who can contribute to the proposed Ph.D. program in Computer Science and the current Ph.D. program in Computational Sciences.

To apply for the positions, please see the listing on Marquette University’s electronic recruitment system: <http://employment.marquette.edu/postings/10165>. Formal review of applicants has begun and will continue until the positions are filled.

Marywood University

Instructor for Computer Science and Information Security

The Department of Science, Mathematics & Computer Science at Marywood University seeks candidates for a one-year Instructor position to begin August 2019. Duties include teaching undergraduate courses in computer science and information security and service to the department, including development of M.S. degree in Information Security. Position may transition to tenure-track for 2020-21. Load is 21 credits, plus development of graduate program. The department offers B.S. degrees in Computer Science, Information Security, Mathematics, and Math/Secondary Education. A master's degree in Computer Science and experience teaching Computer Science are required. Ph.D. or ABD in Computer Science or closely related field preferred. College teaching experience and/or background in Information Security (Cyber Security) also preferred.

Review of applications will begin immediately and continue until position is filled. To assure full consideration, submit all materials by December 1. Required materials include: application letter, curriculum vita, teaching statement, unofficial transcripts, and contact information for three professional references; at least one reference with direct knowledge of applicant's teaching experience. Electronic submission to pos9csinsc@maryu.marywood.edu. For additional information, see : <http://www.marywood.edu/math2/>.

McGill University

Tenure-Track Faculty Position in Theory in Computer Science

The School of Computer Science of McGill University, Montreal, invites applications for a tenure-track appointment and the assistant professor, to begin on August 1st, 2019.

We are searching for candidates with a PhD and expertise in the area of Theoretical in Computer Science.

The successful candidates will be expected to conduct high-quality research and secure competitive external funding, teach to a diverse and talented student body and provide service to the University, the profession and society at large.

Salary will be negotiable, according to qualifications and experience. The successful candidate who satisfies the eligibility conditions of the Canada Research Chair program may be supported by the University for nomination to a Tier 2 Chair

McGill University is among the top research intensive academic institutions in Canada and has been consistently ranked in the top universities worldwide in a number of recent surveys. McGill offers a collegial environment with opportunities for interaction with world-class researchers in theoretical computer science, and neighbouring areas such as discrete mathematics and machine learning. Montreal is a historic and cosmopolitan city, home to four universities and considered one of the best cities for students.

For more detailed information and to apply, please consult our website at:

<https://www.cs.mcgill.ca/about/careers/>

The selection process will begin January 5, 2019, and continue until the positions are filled.

Firmly committed to equity and inclusion, McGill welcomes applicants from diverse identities and backgrounds and considers equitably the impact of leaves that may contribute to interruptions/slowdowns in one's career path. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.

McGill University

Postes menant à la permanence en informatique théorique

L'École d'informatique de l'université McGill sollicite présentement des candidatures afin de pourvoir une poste de professeur(e) adjoint(e) à temps complet débutant le 1er août 2019. Il s'agit d'une poste menant à la permanence.

Nous sommes à la recherche de candidates et candidats ayant une expertise informatique théorique. Le candidat / la candidate retenu(e) doit établir un programme de recherche de premier plan et obtenir du financement externe afin de soutenir leurs activités de recherche. Également, il/elle a à enseigner à des groupes d'étudiantes et étudiants talentueux et diversifiés et à servir la

communauté universitaire, la profession et la société au sens large.

Le salaire sera négociable, en fonction des qualifications et de l'expérience. Les candidats répondant aux critères d'éligibilité du programme des Chaires de Recherche du Canada pourraient être mis en nomination pour un chaire de recherche de niveau 2, permettant la protection du temps de recherche dans le cadre d'un poste académique à temps plein.

L'Université McGill se classe parmi les meilleures institutions de haut savoir et de recherche au Canada et mondialement. McGill offre un environnement de travail collégial où il est possible d'interagir avec des leaders en recherche à l'échelle internationale dans les domaines de l'informatique théorique et les domaines connexes des mathématiques discrètes et de l'apprentissage automatique. Montréal est une ville historique et cosmopolite, qui compte 4 universités et est considérés comme l'une des meilleures villes étudiantes au monde.

S'engageant fermement à l'équité et à l'inclusion, McGill accueille les candidatures provenant d'individus issus de la diversité et considère de façon équitable l'effet des absences qui pourraient contribuer aux interruptions et aux ralentissements à la progression des carrières. On encourage toutes les personnes qualifiées à postuler; veuillez noter que conformément aux exigences de l'immigration canadienne, la priorité sera toutefois accordée aux Canadiens ainsi qu'aux résidents permanents.

Pour plus d'informations et pour postuler, veuillez consulter notre site Web: <https://www.cs.mcgill.ca/about/careers/>

L'évaluation des dossiers débutera le January 5, 2019 et continuera jusqu'à ce que les postes soient comblés. Questions pourront être adressées à theory@cs.mcgill.ca.

McGill University

Position in Computational Linguistics in the Faculty of Arts (Department of Linguistics) and Faculty of Science (School of Computer Science)

The Department of Linguistics and the School of Computer Science of McGill University invite applications for a joint tenure-track appointment in Computational Linguistics. The appointment is expected to be at the rank of Assistant Professor and to begin on August 1st, 2019. We seek candidates with interests in the study of language from computational, mathematical, and quantitative perspectives. The ideal candidate will have expertise in both the language sciences and computer science. Potential research areas include, but are not limited to, computational linguistics, natural language processing, speech processing, computational cognitive science, machine learning applied to language data, and the quantitative modeling of language.

Outstanding candidates may be eligible to receive a CIFAR Chair in AI (<https://www.cifar.ca/ai/pan-canadian-artificial->

intelligence-strategy), depending on their research profile. The successful candidate who satisfies the eligibility conditions of the Canada Research Chair program may be supported by the University for nomination to a Tier 2 Chair in Computational Linguistics, which provides protected time for research within a full-time academic appointment.

The successful applicant will be expected to develop a vigorous, externally-funded research program, to communicate research findings in both professional and public forums, to contribute to teaching at both the undergraduate and graduate levels in Linguistics and Computer Science, and to engage in service both within and outside the University.

Firmly committed to equity and inclusion, McGill welcomes applicants from diverse identities and backgrounds and considers equitably the impact of leaves that may contribute to interruptions/slowdowns in one's career path.

Review of candidates will begin January 2, 2019, and continue until the positions are filled.

For more detailed information and to apply, please consult our websites at: <https://www.mcgill.ca/linguistics/opportunities-visitors/employment> and <http://www.cs.mcgill.ca/careers/ling-ai.html>.

The Department of Linguistics and the School of Computer Science offer a collegial environment with opportunities for interaction with

world-class researchers in linguistics and AI. McGill is routinely ranked as one of the world's best universities and there is ample opportunity for transdisciplinary collaboration.

Montreal is home to very active linguistics, language science, and AI communities, and both departments have ties to many other units such as Psychology and the School of Communication Sciences and Disorders, university-led institutes such as MILA and the Centre for Research on Brain, Language and Music, industry-led AI research groups (e.g., Google, Facebook, Microsoft, Samsung, Borealis, Thales, and several more), as well as a thriving and rapidly growing AI and data science startup community. Montreal is a historic and cosmopolitan city, home to several universities, and considered one of the best cities for students.

McGill University

Tenure-Track Faculty Positions in AI and Machine Learning

The Department of Electrical & Computer Engineering and the School of Computer Science of McGill University, Montreal, invite applications for five tenure-track appointments at all ranks, to begin on August 1st, 2019.

We are searching for candidates with expertise in artificial intelligence/machine learning having a strong publication record in top AI/ML journals and conferences and/or related publication venues. The ideal candidates will additionally have expertise in one or more of the following domains:

- Theoretical Approaches of Artificial Intelligence
- Computer Platforms, Computer Systems and/or Programming Language Support for AI
- Machine Learning applied to Computer Vision or Robotics
- Secure/Private, Robust, and Reliable AI
- Applications of AI and ML to Electrical, Computer, and Software Engineering

The successful candidates will be expected to conduct high-quality research and secure competitive external funding, teach to a diverse and talented student body and provide service to the University, the profession and society at large.

Outstanding candidates may be eligible to receive a CIFAR Chair in AI (<https://www.cifar.ca/ai/pan-canadian-artificial-intelligence-strategy>), depending on their research profile. The successful candidate who satisfies the eligibility conditions of the Canada Research Chair program may be supported by the University for nomination to a Tier 2 Chair.

Montreal is home to a very active AI community, including university-led institutes such as MILA that received considerable federal funding, industry-led AI research groups (Google, Facebook, Microsoft, Samsung, Borealis, Thales, and several more), as well as a thriving AI start-up community. Montreal is a historic and cosmopolitan city, home to no less than six universities, and considered one of the best cities for students.

McGill University is among the top research intensive academic institutions in Canada and has been consistently ranked in the top universities worldwide in a number of recent surveys. McGill offers a collegial environment with opportunities for interaction with world-class researchers in machine learning, robotics, social data science, bioinformatics, natural language processing, theory, big data systems, communications, microelectronics and computer systems, software engineering and systems and control.

Successful candidates will be appointed to either the School of Computer Science or the Department of Electrical & Computer Engineering. Joint appointments to both CS and ECE may be considered. For appointment in the Department of Electrical and Computer Engineering, a first degree in electrical, computer or software engineering is preferred and membership or eligibility for membership in a Canadian professional engineering association is required.

For more detailed information and to apply, please consult our website at: <http://hiring.cs-ece.mcgill.ca/>

The selection process will begin December 18, 2018, and continue until the positions are filled.

Firmly committed to equity and inclusion, McGill welcomes applicants from diverse identities and backgrounds and considers equitably the impact of leaves that may contribute to interruptions/slowdowns in one's career path. All qualified applicants

are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.

Miami University

Assistant/Associate Professor - Computer Science & Software Engineering

Computer Science & Software Engineering: The Department of Computer Science and Software Engineering at Miami University in Oxford, Ohio invites applications for a tenure-track position at the Assistant or Associate Professor level. Special consideration may be given to applicants specializing in distributed systems, data science, or machine learning. Outstanding applicants in all research areas are encouraged to apply.

Duties include undergraduate and graduate teaching; advising students and supervising student research; establishing a strong research program; providing service to the institution.

Required: Earned doctorate in computer science, software engineering, computer engineering, or a related field (doctorate to be completed by December 31, 2019 for re-appointment to a second year); ability to teach courses in computer science and/or software engineering.

To be appointed to the rank of Associate Professor the successful candidate must provide evidence of high quality teaching and a record of high quality scholarship/research with a prospect for continuation. For all ranks consideration

may be given to those with a record of published research/scholarship in some sub-discipline of computer science or software engineering, or experience teaching in higher education.

Submit letter of interest, curriculum vitae, statement of research plans and teaching philosophy that includes a list of courses taught and any evidence of teaching quality to <https://miamioh.hiretouch.com/job-details?jobID=6522>.

For inquiries about posting, contact Dr. Mike Zmuda at cse.search@miamioh.edu. Screening of applications will begin December 1, 2018 and will continue until the position is filled.

Miami University, an EO/AA employer, encourages applications from minorities, women, protected veterans and individuals with disabilities. Miami University does not discriminate on the basis of age, color, disability, gender identity or expression, genetic information, military status, national origin, pregnancy, race, religion, sex, sexual orientation or protected veteran status in its application and admission processes, educational programs and activities, facilities, programs or employment practices. Requests for all reasonable accommodations for disabilities related to employment should be directed to ADAFacultyStaff@miamioh.edu or 513-529-3560.

Miami University's Annual Security and Fire Safety Report with information on campus crime, fires, and safety may be found at: <http://www.MiamiOH.edu/>

[campus-safety/annual-report/index.html](#). Hard copy available upon request. A criminal background check is required. All campuses are smoke- and tobacco-free campuses.

Michigan State University

Chairperson

The Department of Media and Information (M&I) in the College of Communication Arts and Sciences at Michigan State University invites applications for Chairperson. M&I is a top-five ranked, research and grant-active department. The department's faculty focus on the study of technology and society, human-technology interaction, and technological systems. The M&I faculty represent a range of disciplines that complement each and create a unique intellectual energy.

Additional information, application materials, and electronic submission of applications available on MSU's Careers site, www.careers.msu.edu, posting #532615. The search committee will begin evaluation of applicants by October 15, 2018 and will continue until an exceptional candidate is selected.

Michigan State University is an Affirmative Action/Equal Opportunity Employer. Persons with disabilities have the right to request and receive reasonable accommodation.

Michigan State University

Computer Science and Engineering Multiple faculty positions in different areas of Computer Science

The Department of Computer Science and Engineering in the College of Engineering at Michigan State University is in a phase of significant and sustained growth and expansion. We are pleased to invite applications at all ranks and in all areas of Computer Science, including those that intersect with other fields. Multiple tenure-system faculty positions are available.

The Department is looking for highly motivated applicants who can complement the department's strength and expertise. Cluster hires will also be considered. Candidates must have an earned PhD in computer science or a related field. Tenure-system Computer Science faculty are expected to establish a vibrant, sustainable and internationally visible research program; make significant scholarly contributions to their discipline; be an effective teacher and mentor of both undergraduate and graduate students; and engage in institutional and professional service as well as public outreach.

The Department has strong research programs in all major areas of Computer Science and Engineering. The department has accredited B.S. degree programs in Computer Science and Computer Engineering. There are currently over 170 graduate students and 1,400 undergraduate students in

the department. Department faculty are actively involved in leading several national-level centers, including BEACON, an NSF Center that is headquartered at MSU for the study of evolution in action. MSU's annual research expenditure is around \$600M. University researchers and scholars are internationally renowned and are facilitating broad social, economic and technological impact.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is pro-active in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>. Information about WorkLife at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>

Interested individuals should submit their application through <http://careers.msu.edu> and refer to position #532893. Applicants must submit (a) a cover letter summarizing their qualifications and highlighting up to five prominent works, (b) a detailed resume, (c) two vision statements: one describing your planned research program, and the other describing your teaching philosophy, including mentoring, outreach, and

promoting a diverse and inclusive environment, and (d) the names and contact information for at least three references. For full consideration, applications should be received before November 15, 2018. Applications will be reviewed on a continuing basis thereafter until all positions are filled. Nominations or questions are welcome by contacting the search committee chair at faculty-search-chair@cse.msu.edu

Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.

MSU is an affirmative-action, equal opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The university actively encourages applications or nominations of women, persons of color, veterans, and persons with disabilities.

Michigan State University

Professor - Tenure System

Join Michigan State University's Global Impact Initiative, designed to address the grand challenges through the creation of over 100 new faculty positions in some of the most promising and exciting fields of research. MSU offers an inclusive and collaborative work environment, and welcomes applicants from diverse backgrounds.

The Department of Computational Mathematics, Science and Engineering (CMSE) and the Department of Computer Science and Engineering (CSE) at Michigan State University invite applications for a tenure-system faculty position in the broad area of deep learning with a joint appointment in the two departments. Candidates must have an earned PhD in Computer Science and Engineering, Applied and Computational Mathematics, Applied Statistics or a related field, with expertise in deep learning. The position will be filled at the Assistant, Associate or Full Professor level depending on the qualifications and record of the successful candidate. The candidate is expected to establish a sustainable research program, make significant scholarly contributions to their discipline, be an effective teacher and mentor of both undergraduate and graduate students, and engage in institutional and professional service.

Exceptional candidates from all areas of deep learning will be considered, including those candidates with interests in artificial neural networks, convolutional neural networks, geometric and graph based deep learning, generative models, recurrent neural networks, theoretical foundation, and other areas. The successful candidate, regardless of specific research area, will be one who seeks to extend the boundaries of deep learning methods on a fundamental level. Additionally, the applicant should pursue one or more application specific domains, such as biomedical imaging, inverse problems, autonomous driving, cybersecurity, and materials science,

amongst others. The ideal candidate should document high quality publications of research at premier peer-reviewed journals and conferences across deep learning and related application areas.

Michigan State University is making a bold new effort by launching the CMSE department, recognizing that computational and data science is a fundamental area of research in the 21st century. The department seeks to create an interdisciplinary environment that fosters a new breed of algorithmists who will address emergent problems in science and engineering, setting the stage for computation to be on the same footing as experiment and theory in its role in scientific discovery.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>. Information about WorkLife at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>.

Interested individuals should submit an application for this position through: <http://careers.msu.edu> and refer to job #535152. Applicants must submit

a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and contact information for at least three references. We will begin reviewing the applications starting from November 15, 2018. For full consideration, applications must be received before December 15, 2018. Applications will be reviewed on a continuing basis thereafter until the position is filled. Nominations or questions are welcome by contacting the search committee chair through email at cmsechr@msu.edu. The position is available starting from August, 2019.

Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.

MSU is an affirmative action, equal opportunity employer and is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

Michigan Technological University

Tenured/Tenure-Track Faculty Position

Applications are invited for a tenure-track faculty position at the Assistant/Associate Professor level beginning August 2019. We are interested in exceptional applicants from all areas of computer science. We have a particular interest in the areas of intelligent and trustworthy computing.

While the candidate's sub-area of specialization within computer science is important, greater emphasis is placed on the candidate's potential for original research. The successful candidate will act both as an innovative contributor to, as well as a bridge among, our existing areas of strength: architecture, artificial intelligence, cloud computing, cybersecurity, data science, distributed systems, embedded and multimedia systems, graphics and visualization, human computer interaction, machine learning, software engineering and virtual environments. Women and underrepresented minorities are particularly encouraged to apply.

Candidates must demonstrate potential for excellence in research and teaching and must have a Ph.D. in Computer Science or a closely related field. Apply online by submitting a cover letter, curriculum vitae, teaching statement, research statement, and the names of at least three references at <https://www.jobs.mtu.edu/postings/7312>. Contact cs-search@mtu.edu or visit <http://www.mtu.edu/cs> for further information.

Michigan Tech is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM. Michigan Tech is an EOE which includes protected veterans and individuals with disabilities. Michigan Tech acknowledges the importance of supporting spouses/partners in attracting and retaining a quality workforce (see <https://www.mtu.edu/provost/programs/partner-engagement>).

Milwaukee School of Engineering (MSOE)

Computer Science Faculty

The Electrical Engineering and Computer Science (EECS) department at the Milwaukee School of Engineering (MSOE) seeks applicants to fill multiple CS Faculty Positions at all ranks. MSOE expects, rewards, and supports a strong primary commitment to excellence in teaching.

The EECS department offers an undergraduate degree in CS with a focus on artificial intelligence as well as an established software engineering (SE) undergraduate degree. Significant investments are being made to support MSOE's academic mission including the construction of the \$34M Dwight and Dian Diercks Computational Science Hall that will house the SE and CS programs.

Candidates with expertise in any field of CS or SE are encouraged to apply. Applicants must have an earned doctorate degree in a computing field by the beginning date of the appointment, and proficiency in oral and written communication is required.

To apply to this position, please visit <https://www.milwaukeejobs.com/j/33841216>

It is the policy of MSOE to provide equal employment opportunity to all individuals regardless of their race, ethnicity, color, creed, religion, sex, age, national origin, physical or mental disability, military and veteran status, sexual orientation, gender identity, genetic characteristics, marital status or any other characteristic protected by local, state or federal law.

This policy applies to all jobs at the University and to all the terms, benefits, and conditions of employment/enrollment.

Monash University

Academic Opportunities in Dialogue Research

Job No.: 579971

Location: Caulfield campus

Employment Type: Full-time

Duration: Continuing appointments

Remuneration:

\$95,297 - \$113,166 pa Level B (plus 17% employer superannuation)

\$116,737 - \$134,606 pa Level C (plus 17% employer superannuation)

The Opportunity

With over 130 academics, the *Faculty of Information Technology* at Monash University is growing rapidly, hiring 50 world-leading faculty in artificial

intelligence, data science, cybersecurity, creative technologies and human-computer interaction, and organisational and social informatics.

Among our areas of growth is a new group in artificial intelligence, the Laboratory for Dialogue Research. We invite outstanding academics to join our world-class team to deliver high-quality teaching and research that will help shape the future of AI for conversational assistants, human-robot interaction, customer service, and many other application domains.

Multiple Faculty Openings in LDR are available at a Level B Lecturer (equivalent to Assistant Professor in North America), Level C Senior Lecturer (equivalent to Associate Professor in North America) with a preference for the following areas of expertise:

1. Natural language processing (semantic parsing, generation)
2. Dialogue
3. Planning and plan recognition, multi-agent systems
4. Automated reasoning and knowledge representation
5. Machine learning (deep neural networks, reinforcement learning, etc.)

Other areas of natural language processing or multimodal interaction that could contribute to dialogue research will be considered. The successful candidate will join a rapidly expanding multidisciplinary group in the above areas. When applying, please indicate your area of specialization.

Prof. Phil Cohen is the supervising professor, an AAAI Fellow and international pioneer in dialogue, multi-agent systems, and multimodal HCI. Please see following link:

Laboratory for Dialogue Research Flyer

The successful candidate will be an energetic and innovative academic, who has strong methodological skills and the ability to pioneer in emerging research areas. You will have a PhD in computer science, engineering, information sciences, cognitive or linguistic sciences, or a related field. You will also have several years of post-PhD research or work experience, commensurate with level of appointment. All candidates must have a strong publication record in top conferences and journals, excellent teamwork, communication/writing skills, and teaching/mentoring experience. Evidence of grants and industry partnerships is preferred.

All staff are expected to make significant contributions to the teaching effort of the faculty and are responsible for conducting and fostering excellence in research, teaching and mentoring, and professional activities. More senior faculty also are expected to contribute to policy development in their field across the Faculty of IT, Monash University, and broader community.

The Melbourne Area

For six consecutive years, Melbourne has been rated the #1 city worldwide for quality of life (see Economist & Guardian, <http://www.economist.com/>

[blogs/graphicdetail/2016/08/daily-chart-14](https://www.theguardian.com/australia-news/2016/aug/18/melbourne-wins-worlds-most-liveable-city-award-sixth-year-in-a-row) and <https://www.theguardian.com/australia-news/2016/aug/18/melbourne-wins-worlds-most-liveable-city-award-sixth-year-in-a-row>), with excellent education, healthcare, infrastructure, low crime, and exceptional cuisine, cultural activities, and creative design. The regional area is renowned for its dramatic coastline, extensive parks, exotic wildlife, and Yarra Valley wine region.

This is a unique opportunity to join a leading "Group of 8" University with top-rankings and like-minded, passionate academics. If you feel you have the drive and expertise to contribute to this cutting-edge group, then we encourage you to apply!

Please note the academic year begins with term 1 in late February, and term 2 in late July, but start date is negotiable.

To Apply

Required application materials include:

1. Cover letter (indicating application area of expertise, planned research for the future and date of availability)
2. Current CV with publication list, and research and teaching interests
3. Three-five references with email/phone contacts
4. Three representative publications

Your application must also address the key selection criteria as detailed in the attached Position Description for the level you are applying for. Please refer to "[How to apply for Monash jobs](#)".

For more information on the Faculty of IT's main research areas and vigorous recruitment plans to add 50 new faculty, see <https://www.monash.edu/it/about-us/recruiting-exceptional-academics>.

The faculty is strongly committed to improving the diversity of our staff and students, and promoting a culture of equity, fairness, respect and openness. We fully support the principles of the Athena SWAN Charter. Applications from female candidates are strongly encouraged.

Enquiries

Professor Phil Cohen, Laboratory for Dialogue Research, Faculty of Information Technology, philip.cohen@monash.edu

Position Description

Lecturer - Dialogue Research

Senior Lecturer - Dialogue Research

Closing Date

Monday 31 December 2018, 11:55 pm AEDT

Monash University

Research Fellow (Digital Civics)

Job No.: 584840

Location: Caulfield campus

Employment Type: Full-time

Duration: 3 year fixed-term appointment

Remuneration: \$95,297 - \$113,166 pa Level B (plus 17% employer superannuation)

• **Be inspired, every day**

- **Drive your own learning at one of the world's top 80 universities**
- **Take your career in exciting, rewarding directions**

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers.

The Opportunity

Do you have what it takes to be a part of an initiative within the Faculty of Information Technology, undertaking human-centred action-oriented research in the field of digital technologies for social justice?

Collaborate with both doctoral students and academics in the planning and execution of the program of action research into how digital technologies can facilitate access to employment and information law. You will be cross-disciplinary, using your research knowledge from law, machine learning and human-computer interaction.

You will have a doctoral qualification in Computer Science with a specialism in human-computer interaction, good

knowledge of machine learning, employment law and disability law in common law systems.

This role is a full-time position; however, flexible working arrangements may be negotiated.

At Monash University, we are committed to being a Child Safe organisation. Some positions at the University will require the incumbent to hold a valid Working with Children Check.

Your application must address the selection criteria. Please refer to "How to apply for Monash Jobs", <https://www.monash.edu/jobs/how-to-apply/applying-for-the-job>.

Enquiries

Professor Patrick Olivier, Professor - Human-Computer Interaction (Digital Civics), patrick.olivier@monash.edu

Position Description

To view the position description please follow the below link:

<http://careers.pageuppeople.com/513/cw/en/job/584840/research-fellow-digital-civics>

Closing Date

Wednesday 19 December 2018,
11:55 pm AEDT

Monash University

*Lecturer/Senior Lecturers
(Inclusive Technology)*

Job No.: 583291

Location: Caulfield campus

Employment Type: Full-time

Duration: Continuing appointment

Remuneration: \$95,297 - \$113,166 pa
Level B / \$116,737 - \$134,606 pa Level
C (plus 17% employer superannuation)

The Opportunity

Human-Computer Interaction (HCI) is a key strategic direction for Monash IT focussing on developing new research in the Computer-Human Interaction and Creativity (CHIC) Research Group. CHIC's world-class research facilities include AR/VR labs and SensiLab, a multi-million dollar interdisciplinary research space for innovation, digital design and fabrication.

We are currently seeking two Lecturer/Senior Lecturers to join the newly formed Inclusive Technologies Subgroup of CHIC.

Each Lecturer/Senior Lecturer is expected to conduct research of the highest-quality, supervise postgraduate research students and apply for external research funding to support their activities. They will also be expected to be active in the international HCI and inclusive technologies research community.

Lecturer/Senior Lecturers are also expected to contribute to education

within the Faculty. This will include teaching into undergraduate and postgraduate programs, as well as supervision of student projects.

While this role is a full-time position, flexible working arrangements may be negotiated.

At Monash University, we are committed to being a Child Safe organisation. Some positions at the University will require the incumbent to hold a valid Working with Children Check.

Your application must address the selection criteria. Please refer to "[How to apply for Monash Jobs](#)".

Enquiries

Professor Kim Marriot, Faculty of Information Technology, +61 3 9905 5525, Kim.Marriott@monash.edu

Position Description

Lecturer in Inclusive Technology

Senior Lecturer in Inclusive Technology

Applications

To apply please click the 'Apply now' button via the Monash [website](#).

Closing Date

Friday 21 January 2019, 11:55 pm AEDT

Monash University

Lecturer/Senior Lecturer - Digital Health

Job No.:585216

Location: Clayton campus

Employment Type: Full-time

Duration: Continuing appointment

Remuneration: \$95,297 - \$113,166 pa
Level B / \$116,737 - \$134,606 pa Level C
(plus 17% employer superannuation)

- **Be inspired, every day**
- **Drive your own learning at one of the world's top 80 universities**
- **Take your career in exciting, rewarding directions**

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers.

The Opportunity

The Faculty of Information Technology offers vibrant and creative programs across all core IT and related subject areas, and in addition has extensive research efforts organised around core competency areas as follows: Systems

and Cybersecurity, Data Science, Education, Computer-Human Interaction and Creativity, and Organisational and Social Informatics.

The Digital Health theme in the Faculty of Information Technology draws on capabilities in all the above areas, and is further grounded in collaborations with a range of other faculties across Monash, including Medicine, Nursing and Health Sciences; Engineering; Business and Economics; Art, Design and Architecture (MADA); Science and Arts.

The Faculty is seeking an exceptional Lecturer/Senior Lecturer to be a part of the new range of initiatives within Digital Health at Monash. The Lecturer/Senior Lecturer will make contributions to the teaching effort of the university, with their research focused on, and provide advice on image analytics processes and methodologies and impacts on staff and patients.

As the successful candidate, you will have a doctoral or masters qualification within IA, or equivalent accreditation and standing. You will also have a demonstrated track record in data science research within image analytics and a commitment and capacity to apply data science to or a demonstrated track record in applying data science in image analytics within digital health research.

Are you looking for your next challenge? Would you thrive being a part of a dedicated team? Then we look forward to hearing from you!

This role is a full-time position; however, flexible working arrangements may be negotiated.

At Monash University, we are committed to being a Child Safe organisation. This position at the University will require the incumbent to hold a valid Working with Children Check.

Your application must address the selection criteria. Please refer to "How to apply for Monash jobs", <https://www.monash.edu/jobs/how-to-apply/applying-for-the-job>.

Enquiries

Professor Chris Bain, Professor, Digital Health, +61 3 9902 0388.

Position Description

To preview the Lecturer - Level B and Senior Lecturer - Level C position descriptions, please follow this link: <http://careers.pageuppeople.com/513/cw/en/job/585216/lecturersenior-lecturer-digital-health>

Closing Date

Wednesday 19 December 2018,
11:55 pm AEDT

Morgridge Institute for Research

Assistant/Associate/Full Professor in Cryo-Electron Microscopy Image Analysis

The Morgridge Institute for Research, in collaboration with the University of Wisconsin-Madison Departments of Biochemistry and of Biostatistics and Medical Informatics (BMI), seek a tenure track assistant/associate/full professor to develop and collaboratively apply cutting-edge computational and statistical image analysis approaches to advance the use of cryo-electron microscopy (Cryo-EM) in structural and cell biology research. This position is part of a major campus cryo-EM



Assistant Professor - Computer Science/Software Engineering

Monmouth University is seeking applications for an Assistant Professor in the Computer Science and Software Engineering department. This position is for the 2019-2020 academic year and is tenure track.

Exceptional candidates in all areas of computer science and software engineering are encouraged to apply. Areas of particular interest include, but are not limited to, cybersecurity, user experience, software process, software project management.

The candidate should be committed to teaching software engineering, computer science, and information systems courses at both graduate and undergraduate levels, and will have opportunities to engage in interdisciplinary collaborations across the University and with companies in the vibrant Jersey Shore technology corridor.

To apply, visit:

<http://apptrkr.com/1323588>

AA/EOE

expansion, comprising new faculty hires in experimental and computational cryo-EM, and a facility to house four new cryo-microscopes including Thermo Fisher's 300 kV Titan Krios.

The successful candidate will bring exceptional potential to advance these goals and will join a dynamic, expanding community of cryo-EM investigators and an image analysis community spanning light and electron microscopy imaging. This new hire will carry out a vigorous, collaborative, externally funded research program at the forefront of developing and applying cryo-EM image analysis. S/he will also teach graduates and undergraduates, and participate in professional, university, and community service appropriate to rank.

Interested candidates can find more information, including application instructions, at <https://morgridge.org/job-posting/investigator-cryo-em/>.

To ensure full consideration, applications must be received by December 15, 2018; however, the search will remain open and applications will be considered until the position is filled. AA/EOE. Women and minorities are encouraged to apply. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

Naval Postgraduate School

Multiple Tenure-Track Assistant Professor Positions

The Naval Postgraduate School (NPS) has multiple openings for tenure-track Assistant Professor positions in the Department of Computer Science. We encourage all qualified candidates to apply, but are especially interested in artificial intelligence, data science, distributed systems, machine learning, and security.

Our department specializes in cyber security, networking, modeling and simulation, autonomous systems, software engineering, and data science. Our research addresses hard problems in national security; we foster close collaboration with our military, civilian, and international graduate students, supported by state-of-the-art laboratories. We are close to the technology hubs of San Jose and Silicon Valley, and are well-connected in the US Navy and DoD cyber security and big data communities.

We seek to fill positions by September 2019 and will consider applications on a rolling basis until filled. In your application package include a curriculum vitae, teaching and research statements, and the names of three references. Minimum qualifications include a PhD in CS or a related discipline, eligibility for a secret clearance, and US citizenship.

For more information about the department, or to apply, see: <https://my.nps.edu/web/cs>

The Naval Postgraduate School is an equal opportunity employer.

New Jersey Institute of Technology

Director of the Center for Big Data

The Ying Wu College of Computing (YWCC) at the New Jersey Institute of Technology (<http://computing.njit.edu/>) invites applications for a tenure-track/tenured faculty member to serve as the Director of the Center for Big Data (CBD). Candidates must have a PhD in computer science or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Associate Professor or above. Appropriate areas of expertise include, but are not limited to: pattern recognition, machine learning, natural language processing, social media, analytics, high-performance computing for integration, analysis, visualization, and stream processing of very large amounts of structured, semi-structured, or unstructured data in areas such as business data, scientific data, medical data, etc.

The Center for Big Data at NJIT, <https://centers.njit.edu/bigdata/> is a new multi-disciplinary center designed to synergize the strong expertise in various disciplines across the NJIT campus and develop a rich set of big data enabling technologies and services. The CBD aims to investigate, develop, and apply cutting-edge technologies to address unprecedented challenges in Data Science and Big Data

with high Volume, high Velocity, high Variety, and high Veracity, in order to create high Value. The CBD groups faculty from Computer Science, Informatics, Math, Statistics and Management.

The successful candidate will hold a faculty appointment in the department of Computer Science and build the CBD into a vibrant research group. As the Director of the CBD he/she must attract funding and develop collaborative relationships with industry. He/she must demonstrate recognition for productivity and achievement in research and the ability to work collaboratively with colleagues. The ideal candidate should have a strong business sense, experience in new program/center development and an understanding of what it takes to enhance research funding in a competitive environment. Exceptional organizational and communication skills, financial acumen and the potential to fundraise are essential. As a faculty member of the Computer Science department, he/she is expected to (1) teach undergraduate and graduate classes within an adjusted workload, supervise graduate students; (2) develop and teach new graduate and/or undergraduate classes and (3) serve the Department, the College and the University.

Reporting to NJIT Senior Vice Provost for Research, the Director of the Center for Big Data will have his/her primary appointment in the Computer Science department within YWCC. NJIT's Computer

Science Department 40 faculty and approximately 1600 students at all levels across nine programs of study. The Computer Science Department participates alongside NJIT's Informatics Department in generating the largest pool of computing talent in the tri-state (CT, NJ, NY) area. The department conducts research in a wide range of areas and plays a key role in the NJIT Center for Big Data and the NJIT Cybersecurity Research Center. The department has strong connections with local industry and works closely with many corporations through student Capstone projects, internships, co-ops and joint R&D projects.

The Computer Science Department is housed in a state-of-the art facility renovated in Fall 2018. The department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT. This growth is an integral part of NJIT's five-year strategic plan, called Vision 2020, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader computing community, with an emphasis on grant funding and publishing in top conferences and journals.

The Ying Wu College of Computing comprises 23% of the NJIT enrollment, educating more than 2,800 students in computing disciplines, and graduating

close to 800 computing professionals every year.

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. In the near future, NJIT plans to open a facility in Jersey City, just across the Hudson River from the financial district of Lower Manhattan in New York City.

To Apply

Applications received by December 31, 2018 will receive full consideration. However, applications are welcome until the position is filled.

To apply, please follow this link: <https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=935>

Applications must include a cover letter, a curriculum vita, and the names and contact information of five references.

Supplemental materials and inquiries may be emailed to big-data-director-search-group@njit.edu

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans and women.

New Jersey Institute of Technology

*Assistant/Associate Professor:
Information Systems And Technology*

Informatics Department

The Informatics Department at New Jersey Institute of Technology (NJIT) welcomes applications for two full time, tenure-track, Assistant or Associate Professor positions (details at informatics.njit.edu/open-faculty-positions/):

Information Systems; Technology: Virtual Environments (AR/VR/MR): Expertise in immersive technologies, virtual environment design, AR/VR/MR software, and/or serious gaming preferred. Outstanding candidates in other areas of informatics, information technology, visualization, and computer graphics will also be considered.

Information Systems & Technology: Social Media and Network Analysis: Expertise in social network analysis, information visualization, data science or information science is preferred. Other analytics, information systems, and informatics researchers will also be considered.

Candidates for both positions must have a Ph.D. in a computing-related field by Summer 2019, and strong potential for world-class research and attracting grant funding. Candidates with exceptional records will be considered at the Associate Professor level.

NJIT Work Environment. Top 1% of Faculty Pay among 1,292 Public Universities. NJIT

offers competitive salaries for faculty, new labs, and facilities. Incoming assistant professors begin with a teaching load of only 1/1 to facilitate and support a highly productive research agenda.

Live in the New York Metro Area. NJIT is less than 30 minutes from Manhattan, with its thriving tech community. In the near future, NJIT plans to open a facility in Jersey City, just 5 minutes across the Hudson River from Lower Manhattan. Faculty at NJIT can enjoy the urban lifestyle of the New York City area or the open space of suburban New Jersey.

Rapid Growth, and Enhanced Reputation. NJIT is the 3rd fastest growing university in the US News & World Report rankings, jumping 34 points in 2019. Growth is also spurred by a bold \$400M expansion of new university buildings and facilities. Incoming 2019 faculty will be part of an expansion of more than 130 new recent faculty hires at NJIT.

One of the largest Colleges of Computing on the East Coast. The Ying Wu College of Computing (YWCC) is the largest college of computing among the over 190 colleges and universities in the New York Metro area and one of the largest in the US. YWCC enrolls close to 3,000 students, and graduates close to 800 computing professionals every year. As a result, 25% of all high-tech specialists in New Jersey were trained at NJIT.

University Heights: Newark's Academic Hill. Newark is also a university town with more than 50,000 students, faculty, and

staff across five universities and colleges located in the University Heights area. Rutgers and NJIT are sister campuses located side-by-side with shared programs, research projects, and classes.

Research Support. YWCC is a strong, active research college with innovative projects funded by NSF, NIH, DARPA, among others, and partner companies such as Oculus, Verizon, UPS and JD.

Apply for a tenure-track position (jobs.njit.edu)

- Informatics: Social Media and Network Analysis (<https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=881>)
- Informatics: Virtual Environments (<https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=878>)

Submit the following: (1) CV (2) list of three references (e-mail addresses and phone numbers), (3) cover letter, (4) any supplemental material (optional).

For information and inquiries: Contact informatics@njit.edu or call Dr. Mike Halper at (973) 596-5764.

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NEW JERSEY INSTITUTE OF TECHNOLOGY,
University Heights, Newark, NJ 07102-1982

New Jersey Institute of Technology

Tenure-track Faculty Positions Computer Science Department

The Computer Science Department at New Jersey Institute of Technology (NJIT) invites applications for multiple tenure-track faculty positions starting in Fall 2019. Areas of special interest are:

- Computer Graphics, Geometric Modeling and Robotics. Priority will be given to candidates whose research has the potential to leverage NJIT's brand-new, advanced Makerspace facility for 3D Printing, Computational Manufacturing, and Digital Fabrication (<https://www.njitmakerspace.com/>)
- Foundations of Data Science and Machine Learning; Artificial Intelligence
- Programming Languages; Software Engineering
- Distributed Systems

Exceptional candidates in other areas will also be considered. While we are especially interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will be considered.

Applicants must have a Ph.D. degree by Summer 2019 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's Computer Science Department has 40 faculty and approximately 1600 students at all levels across nine programs of study. The Computer Science Department participates alongside NJIT's Informatics Department in generating the largest pool of computing talent in the tri-state (CT, NJ, NY) area. The department conducts research in a wide range of areas and plays a key role in the NJIT Center for Big Data and the NJIT Cybersecurity Research Center. The department has strong connections with local industry and works closely with many corporations through student Capstone projects, internships, co-ops and joint R&D projects.

The Computer Science Department is housed in a state-of-the-art facility renovated in Fall 2018. The department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT. This growth is an integral part of NJIT's five-year strategic plan, called Vision 2020, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader computing community, with an emphasis on grant funding and publishing in top conferences and journals.

The Ying Wu College of Computing comprises 24% of the NJIT enrollment, educating more than 2,800 students in computing disciplines, and graduating

close to 800 computing professionals every year.

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. In the near future, NJIT plans to open a facility in Jersey City, just across the Hudson River from the financial district of Lower Manhattan in New York City.

To Apply

Applications received by December 31, 2018 will receive full consideration. However, applications are welcome until the position is filled.

- Use the following link:
- <https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=897> (Computer Graphics, Geometric Modeling and Robotics; Foundations of Data Science and Machine Learning; Artificial Intelligence)
- <https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=898> (Programming Languages; Software Engineering; Distributed Systems)
- Create your application, and upload your cover letter, CV, Research Statement, and Teaching Statement on that site. The CV must include at least three names along with contact information for references.

The applications will be evaluated as they are received and accepted until the positions are filled. Contact: cs-faculty-search@njit.edu

As an EEO employer NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.

New Mexico State University

Assistant Professor - Tenure Track

The Computer Science Department at New Mexico State University invites applications for two tenure-track positions at the Assistant Professor level, with appointment starting in the Fall 2019 semester. We are seeking strong candidates with research expertise that can effectively complement the research foci of the department. An earned PhD degree in Computer Science or a closely related field is required at the time of appointment. Candidates with focus in data science, software engineering, artificial Intelligence, machine learning, cyber-physical systems, cyber-security 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.

A completed application will include a letter of interest, a statement of teaching and research philosophy, a curriculum vitae, copies of transcripts, and three professional references.

To obtain more information about the positions and to apply, visit <https://jobs.nmsu.edu/postings/32903> and <https://jobs.nmsu.edu/postings/32904>

New Mexico State University is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer.

New York University Abu Dhabi

FACULTY POSITIONS

Computer Science - Tenured

New York University (NYU) Abu Dhabi is in a multi-year phase of growth. As such, the University's Program in Computer Science invites applications for **a faculty position at the rank of associate professor or professor, each with tenure**. Faculty in the Program in Computer Science contribute to the multidisciplinary research at NYU Abu Dhabi that is a hallmark of the institution's mission, currently working with faculty from other programs in areas that include cyber-security, natural language processing, music and data science. Candidates are expected to be outstanding scholars with exceptional productivity in their fields, and to act as inspirational teachers and mentors

to undergraduate and graduate students, which is a cornerstone of the University's mission.

Since the multidisciplinary research at NYU Abu Dhabi is expanding, applicants from all areas of computer science are welcome to apply. However, specific research areas of interest include (1) data science, with interest in interactive data analytics, big data systems and distributed systems, and database systems; (2) cyber-security, with experience building and deploying large-scale security solutions in the real world that focus on systems security, network security, privacy, cryptography, and formal methods; (3) artificial intelligence, with experience in machine learning research agendas, from statistical models to neural networks or research broadly applicable to language, robotics and imaging; and (4) bioinformatics and synthetic biology.

NYU Abu Dhabi is located on Saadiyat Island, the cultural centerpiece of Abu Dhabi. Successful candidates will find a vibrant research and teaching environment that includes supportive and highly motivated colleagues, access to outstanding resources for research, a competitive startup package, and broad opportunities for interdisciplinary work at NYU Abu Dhabi and across campuses of the NYU system. Faculty have access to state-of-the-art core facilities that include next-generation DNA sequencing, robotics, advanced microscopy and high performance computing facilities with more than 6,400 computing cores and a peak performance of 70 TFLOPS. To obtain

further information about research and core facilities at NYU Abu Dhabi, visit the University's website at <http://nyuad.nyu.edu/en/research/faculty-research.html>. The Computer Science program includes a PhD in Computer Science that is offered in collaboration with two Computer Science departments in NYU New York: Courant Institute of Mathematical Sciences and the Tandon School of Engineering.

The terms of employment are highly competitive. Appointments, which are dependent on final budgetary approval, can begin as soon as September 1, 2019, but later start dates are possible. To be considered, applicants should submit a complete curriculum vitae, statements of teaching and research interests that should not exceed three pages each and no more than three representative publications. Applicants should also arrange for the submission of three letters of reference on their behalf, in PDF format. Please visit <https://apply.interfolio.com/47185> to apply. For more information please visit <https://nyuad.nyu.edu/en/about/careers.html>. If you have any questions, please e-mail nyuad.science@nyu.edu.

NYU Abu Dhabi is a degree-granting research university with a fully integrated liberal arts and science undergraduate program in the Arts, Sciences, Social Sciences, Humanities, and Engineering. NYU Abu Dhabi, NYU New York, and NYU Shanghai, form the backbone of NYU's global network university, an interconnected network of portal campuses and academic centers across six continents that

enable seamless international mobility of students and faculty in their pursuit of academic and scholarly activity. This global university represents a transformative shift in higher education, one in which the intellectual and creative endeavors of academia are shaped and examined through an international and multicultural perspective. Through its academic, research, and creative activities and as a major intellectual hub at the crossroads of the Arab world, NYU Abu Dhabi serves as a center for scholarly thought, advanced research, and knowledge creation and sharing.

The University is an equal opportunity employer committed to equity, diversity and social inclusion.

NYU Abu Dhabi

FACULTY POSITIONS

Computer Science - Tenure Track

New York University (NYU) Abu Dhabi is in a multi-year phase of growth. As such, the University's Program in Computer Science invites applications for a faculty position in computer science at the rank of assistant professor, tenure track. Faculty in the Program in Computer Science contribute to the multidisciplinary research at NYU Abu Dhabi that is a hallmark of the institution's mission, currently working with faculty from other programs in areas that include cyber-security, natural language processing, music, and data science. Candidates are expected to be outstanding scholars with exceptional productivity in their fields, and to act as inspirational teachers and

mentors to undergraduate and graduate students, which is a cornerstone of the University's mission.

Since the multidisciplinary research at NYU Abu Dhabi is expanding, applicants from all areas of computer science are welcome to apply. However, specific areas of research interest include: (1) data science, with interest in interactive data analytics, big data systems and distributed systems, and database systems; (2) cyber-security, with experience building and deploying large-scale security solutions in the real world that focus on systems security, network security, privacy, cryptography, and formal methods; (3) artificial intelligence, with experience in machine learning research agendas, from statistical models to neural networks or research broadly applicable to language, robotics and imaging; and (4) bioinformatics and synthetic biology.

NYU Abu Dhabi is located on Saadiyat Island, the cultural centerpiece of Abu Dhabi. Successful candidates will find a vibrant research and teaching environment that includes supportive and highly motivated colleagues, access to outstanding resources for research, a competitive startup package, and broad opportunities for interdisciplinary work at NYU Abu Dhabi and across campuses of the NYU system. Faculty have access to state-of-the-art core facilities that include next-generation DNA sequencing, robotics, advanced microscopy and high performance computing facilities with more than 6,400 computing cores and a peak performance of 70 TFLOPS. To obtain further information about research and

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The terms of employment are highly competitive. Appointments, which are dependent on final budgetary approval, can begin as soon as September 1, 2019, but later start dates are possible. To be considered, applicants should submit a complete curriculum vitae, statements of teaching and research interests that should not exceed three pages each, and no more than three representative publications. Applicants should also arrange for the submission of three letters of reference on their behalf, in PDF format. Please visit <https://apply.interfolio.com/52873> to apply. For more information please visit <https://nyuad.nyu.edu/en/about/careers.html>. If you have any questions, please e-mail nyuad.science@nyu.edu. For full consideration, complete applications must be received by November 15, 2018.

NYU Abu Dhabi is a degree-granting research university with a fully integrated liberal arts and science undergraduate program in the Arts, Sciences, Social Sciences, Humanities, and Engineering. NYU Abu Dhabi, NYU New York, and NYU Shanghai, form the backbone of NYU's global network university, an interconnected network of portal campuses and academic centers across six continents that enable

seamless international mobility of students and faculty in their pursuit of academic and scholarly activity. This global university represents a transformative shift in higher education, one in which the intellectual and creative endeavors of academia are shaped and examined through an international and multicultural perspective. Through its academic, research, and creative activities and as a major intellectual hub at the crossroads of the Arab world, NYU Abu Dhabi serves as a center for scholarly thought, advanced research, and knowledge creation and sharing.

The University is an equal opportunity employer committed to equity, diversity and social inclusion.

New York University Arts and Science

*Department of Psychology
Faculty Position in Cognition and
Perception (Cognitive Neuroscience)*

The Department of Psychology in the Faculty of Arts and Science at New York University invites applications for an open-rank, tenure-track or tenured position in Cognitive Neuroscience. Although the search is open rank, we encourage applicants in the early and middle stages of their careers. The appointment is expected to begin September 1, 2019, pending budgetary and administrative approval. Additional information about the position can be obtained from the search committee chair Professor Clayton Curtis at clayton.curtis@nyu.edu. Please

cc paulo.campos@nyu.edu on all correspondence related to this search.

We seek applicants with an outstanding record of research in human cognitive neuroscience, broadly construed. Preference will be given to applicants whose program of research includes advanced measurement techniques and computational approaches to understanding brain and behavior.

To apply, please follow the Interfolio link (<http://apply.interfolio.com/56359>). For more information about the NYU Department of Psychology, please visit the web site (<http://as.nyu.edu/psychology/careers.html>). Review of applications will begin November 30, 2018 and will continue until the position is filled. The electronic application should include a CV, statements of research (no more than four pages) and teaching interests (no more than two pages), copies of a least three representative publications, and at least three references.

The Faculty of Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber, who embody the diversity of the United States as well as the global society in which we live. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender and sexual identity, or any other legally protected basis. NYU affirms the value of differing perspectives on the world as we strive

to build the strongest possible university with the widest reach. To learn more about the FAS commitment to diversity, equality and inclusion, please read (<http://as.nyu.edu/content/nyu-as/as/administrative-resources/office/dean/diversity-initiative.html>).

EOE/Affirmative Action/Minorities/
Females/Vet/Disabled/Sexual Orientation/
Gender Identity.

NYU Shanghai

Computer Science, Tenured/Tenure-track

NYU Shanghai is currently inviting applications for tenured/tenure track positions in Computer Science at the rank of assistant or associate professor. We invite strong applicants in the area of Systems, including, Distributed Systems, Networking Systems, and Systems Security. Candidates whose work is methodologically data driven are particularly encouraged to apply.

Terms of employment at NYU Shanghai are comparable to U.S. institutions with respect to research start-up funds and compensation, and they include housing subsidies and educational subsidies for children. Faculty may also spend time at NYU New York and other sites of the NYU Global Network, engaging in both research and teaching.

Qualifications

Successful candidates will demonstrate a capacity for both research excellence and high-quality instruction in the classroom, and must have completed a Ph.D. in

Computer Science or a closely related field. It is expected that successful candidates will supervise Ph.D. students, collaborate with NYU Shanghai and NYU faculty, and seek funding opportunities both in China and the US. A distinguished record of scholarship, leadership, curricular innovation, and an excellent funding record for the Associate Professor position are desired. The candidate should also be able to teach a broad array of computer science courses.

Application Instructions

Applicants should submit a cover letter, curriculum vitae, statement of research and teaching interests, and electronic copies of up to five relevant publications. Deadline for application is February 1st, 2019.

To complete the online process, applicants will be prompted to enter the names and email addresses of at least three references. Each referee will be contacted to upload a reference letter.

Applications will be received via Interfolio at: apply.interfolio.com/57659. If you have any questions, please email the NYUSH NY Office of Faculty Recruitment at nyush.faculty.recruitment@nyu.edu.

New York University Stern School of Business

*2019-20 Assistant Professor of
Information, Operations &
Management Sciences*

The **Information Systems** faculty in the **Department of Information, Operations & Management Sciences**

at the Stern School of Business, New York University, invites applications for a **tenure-track** position at the **assistant professor** level starting in the 2019-2020 academic year. Candidates with a strong technical background, with a Ph.D. in Computer Science or related disciplines, are strongly preferred.

Please go to apply.interfolio.com/57485, Stern's faculty application system, to apply. For questions, please send email to ioms@stern.nyu.edu. To ensure full consideration, the deadline for submitting all application materials is **January 5, 2019**. However, applications will be accepted and evaluated until the position is filled. We expect to start interviewing candidates in early February and conclude our interviews in March.

New York University and the Stern School of Business is committed to building a diverse faculty and invites applications from women, people with disabilities and members of minority groups.

**EOE/AA/Minorities/Females/Vet/
Disabled/Sexual Orientation/
Gender Identity**

New York University Tandon School of Engineering

Faculty Position in Data Sciences

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenured or tenure track position, to begin

September 2019. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We value and take pride in our high proportion of female students and students who are the first in their families to go to college. We seek faculty who have a passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

NYU Tandon fosters innovation and entrepreneurship that make a difference in the world. The CSE department is at the center of a high-tech start-up culture where student and faculty innovation and entrepreneurship activities are supported and nurtured both in New York City, Brooklyn and across the NYU Global Network University. NYU Tandon leads multidisciplinary centers in visualization, imaging and data analysis (VIDA), cybersecurity (CCS), the media and games network (MAGNET), 5G wireless technology, the center for urban science and progress, the Governance Lab, and AINOW dedicated to understanding the social implications of artificial intelligence.

We invite outstanding applications in the broad area of data science, including data management and analytics. You will be able to participate in activities

at the Center for Data Science (CDS) and initiate collaborative efforts with related research activities in the Computer Science Department in Courant, the School of Medicine, and other NYU schools and departments.

You should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, international reputation, demonstrated ability to develop and lead high quality research and attract external funding are highly desired. You should demonstrate or show potential for excellence in teaching and mentoring.

You should submit:

1. Cover letter
2. Current CV
3. Names of three references and their contact information
4. Statements of research and teaching interests
5. Recent teaching evaluations (if applicable).

We will review applications beginning on December 1 and will continue until we fill the position.

Please submit all application materials electronically at

<https://apply.interfolio.com/57125>

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national

origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

New York University Tandon School of Engineering

Faculty Position in Medical Image Analysis and Computer Vision

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenured or tenure track position, to begin September 2019. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

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We invite outstanding applications in the area of Biomedical Image Analysis and Computer Vision. You will bring excellent qualifications in mathematical, algorithmic and statistical concepts foundational to biomedical image analysis and computer vision, and proven record in interdisciplinary collaborative research. Our program offers unparalleled opportunities for research across boundaries through a tradition of close interdisciplinary collaborations with multidisciplinary centers and research programs in biomedical optical and radiological imaging, neuroscience, systems genetics, and major medical research departments including Radiology, Ophthalmology, Orthopaedic Surgery, Rehabilitation Medicine, and Global Public Health. You will also have opportunities to initiate interdisciplinary collaborations with the NYU Center for Brain Imaging (CBI) and faculty in the Computer Science Department in Courant.

You should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, international reputation, demonstrated ability to develop and lead high quality research and attract external funding are highly desired. You should demonstrate or show potential for excellence in teaching and mentoring.

You should submit:

1. Cover letter
2. Current CV
3. Names of three references and their contact information
4. Statements of research and teaching interests
5. Recent teaching evaluations (if applicable).

We will review applications beginning on December 1 and will continue until we fill the position.

Please submit all application materials electronically at

<https://apply.interfolio.com/57128>

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NYU Tandon School of Engineering

Faculty Position in Data Sciences

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenured or tenure track position, to begin September 2019. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We value and take pride in our high proportion of female students and students who are the first in their families to go to college. We seek faculty who have a passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

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technology, the center for urban science and progress, the Governance Lab, and AINOW dedicated to understanding the social implications of artificial intelligence. We invite outstanding applications in the **broad area of data science**, including data management and analytics. You will be able to participate in activities at the Center for Data Science (CDS) and initiate collaborative efforts with related research activities in the Computer Science Department in Courant, the School of Medicine, and other NYU schools and departments.

Qualifications

You should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, international reputation, demonstrated ability to develop and lead high quality research and attract external funding are highly desired. You should demonstrate or show potential for excellence in teaching and mentoring.

Equal Employment Opportunity Statement

For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr.

New York University is an Equal Opportunity Employer. New York University is committed to a policy of equal treatment and opportunity in every aspect of its hiring and promotion process without regard to race, color, creed, religion, sex, pregnancy or childbirth (or related medical condition),

sexual orientation, partnership status, gender and/or gender identity or expression, marital, parental or familial status, caregiver status, national origin, ethnicity, alienage or citizenship status, veteran or military status, age, disability, predisposing genetic characteristics, domestic violence victim status, unemployment status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Application Instructions

You should submit: Cover letter, current CV, names of three references and their contact information, statements of research and teaching interests, and recent teaching evaluations (if applicable). 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.

Please follow the **Apply Now** link: <https://apply.interfolio.com/57125>. We will review applications beginning on December 1 and will continue until we fill the position.

NYU Tandon School of Engineering

Industry Professor in Computer Science

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites outstanding teachers

to apply for a full time, non-tenured, renewable faculty position at the levels of Assistant, Associate or Full Industry Professor in any areas of computer science, with a start date of January 1, 2019 or later.

New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. Our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We take pride in our high numbers of women students and students who are the first in their family to go to college. We seek faculty who have a real passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

With NYU's unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning, and we lead in online education and in K-12 STEM outreach. Our students conduct Vertically Integrated Research projects and participate in an extensive undergraduate summer research program.

Qualifications

An Industry Professor's primary roles are teaching, mentoring and educational innovation, and the position may also entail some administrative work and outreach. The department offers BS degrees in Computer Science and in

Computer Engineering, MS degrees in Computer Science and in Cybersecurity, and PhD degrees in Computer Science, as well as several minors.

We invite applicants for classroom and laboratory teaching in all areas of computer science. You should be an excellent teacher and mentor. You should have a Ph.D. in computer science or a closely related discipline and bring a record of teaching and/or industrial experience in areas related to core computer science topics, but applicants with an M.S. degree will also be considered.

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minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Application Instructions

You should submit: Cover letter, current CV, recent teaching evaluations, a teaching statement describing experience and teaching philosophy, and names and contact information for three references. 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.

Please follow the **Apply Now** link: <https://apply.interfolio.com/56796>. We will review applications beginning on December 1 and will continue until we fill the position.

NYU Tandon School of Engineering

Faculty Positions in Machine Learning and Artificial Intelligence

The Department of Computer Science and Engineering (CSE) and the Department of Electrical and Computer Engineering (ECE) at the New York University Tandon School of Engineering invites applications for senior and junior tenured and tenure track positions, to start September 2019. NYU is one of the top private universities in the United States. NYU Tandon has an illustrious past as Brooklyn Poly and as the NYU Polytechnic School of Engineering.

At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We take pride in our high number of women students and students who are the first in their family to go to college. We seek faculty who have a real passion for a culturally diverse environment. NYU Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

NYU Tandon fosters innovation and entrepreneurship that make a difference in the world. The CSE and ECE departments are at the epicenter of a high-tech start-up culture where student and faculty innovation and entrepreneurship activities are supported and nurtured both in New York City and across the NYU Global Network University. We lead and have ties to multidisciplinary centers in 5G wireless technology, media and games, cyber-security, urban informatics, data sciences, technology and governance, and the social implications of artificial intelligence. Our program offers unparalleled opportunities for research across boundaries through a tradition of close collaborations with other NYU Schools, Departments, and Centers.

Qualifications

We invite applications from candidates in machine learning and artificial intelligence, with an emphasis in foundational theory and areas that are synergistic with the strengths of the CSE and ECE departments, including statistics

and information theory, medical imaging, game design, cyber-security, robotics, computer vision, smart grids, and cyber-physical systems. Successful candidates will be jointly appointed in the CSE and ECE Departments.

You should have a Ph.D. degree in electrical engineering, computer science, computer engineering, or a related discipline. You should demonstrate potential for excellence in teaching and mentoring. For senior applicants, a distinguished record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent research funding record are desired.

Application Instructions

You should submit a cover letter, current CV, names of three references and their contact information, and recent teaching evaluations (if applicable). We will review applications beginning on November 1 and will continue until we fill the position. We encourage applicants to submit early.

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marital, parental or familial status, caregiver status, national origin, ethnicity, alienage or citizenship status, veteran or military status, age, disability, predisposing genetic characteristics, domestic violence victim status, unemployment status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Application Process:

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. Please follow the

Apply Now link: <https://account.interfolio.com/login?apply=54628>.

NYU Tandon School of Engineering

Faculty Position in Medical Image Analysis and Computer Vision

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenured or tenure track position, to begin September 2019. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

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We invite outstanding applications in the area of Biomedical Image Analysis and Computer Vision. You will bring excellent qualifications in mathematical, algorithmic and statistical concepts foundational to biomedical image analysis and computer vision, and proven record in interdisciplinary collaborative research. Our program offers unparalleled opportunities for research across boundaries through a tradition of close

interdisciplinary collaborations with multidisciplinary centers and research programs in biomedical optical and radiological imaging, neuroscience, systems genetics, and major medical research departments including Radiology, Ophthalmology, Orthopaedic Surgery, Rehabilitation Medicine, and Global Public Health. You will also have opportunities to initiate interdisciplinary collaborations with the NYU Center for Brain Imaging (CBI) and faculty in the Computer Science Department in Courant.

Qualifications

You should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, international reputation, demonstrated ability to develop and lead high quality research and attract external funding are highly desired. You should demonstrate or show potential for excellence in teaching and mentoring.

Application Instructions

You should submit: Cover letter, current CV, names of three references and their contact information, statements of research and teaching interests, and recent teaching evaluations (if applicable). 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. Please follow the

Apply Now link: <https://apply.interfolio.com/57128>. We will review applications beginning on December 1 and will continue until we fill the position.

NYU Tandon School of Engineering

Vice Dean for Research and Industrial Partnerships

The NYU Tandon School of Engineering seeks an accomplished individual for the position of Vice Dean for Research and Industry Partnerships, reporting directly to the Dean of the School. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

The Vice Dean for Research and Industry Partnerships will work strategically with the Dean and the Tandon Leadership Team to identify focus areas for research and partnerships; identify funding for research and creative endeavors, both in and outside the university; and assist with the development of new and the enhancement of existing research centers and institutes. The Vice Dean will work closely with the newly renamed Vice Dean for Innovation and Entrepreneurship to identify opportunities for the commercialization of intellectual property emanating from faculty research. Since engineering faculty work closely with industrial sponsors, it is paramount that the Vice Dean has the ability to connect faculty and industry sponsors and to manage all aspects of the faculty-industry relationships at high levels.

Key Responsibilities:

- Help develop and elevate the strategic advancement and support of the research mission at the NYU Tandon School of Engineering;

- Cultivate and expand relationships with industry, government, and private foundations that support research;
- Work collaboratively to assist faculty across all disciplines in achieving their scholarly goals and in achieving the strategic mission of the research and creative activity enterprise;
- Develop a robust research infrastructure, including identifying necessary staff and implementing effective policies and processes to streamline and manage research at the school level (in coordination with corresponding university offices);
- Ensure tight integration of instruction and research;
- Provide oversight for the entire sponsored award lifecycle—from pre-award to post-award activities—at the NYU Tandon School of Engineering;
- Identify opportunities for the commercialization of intellectual property emanating from faculty research and work closely with the Vice Dean for Innovation and Entrepreneurship to bridge the gap between research and entrepreneurial activities.
- The Vice Dean must work closely with all stakeholders at NYU Tandon and with constituents across the university, and must be able to communicate effectively, build collegial relationships, and gain trust through expert work and clear management. In particular, the Vice Dean should:
- Share the vision of Tandon's scholarly enterprise within a broad and

- comprehensive research university and provide leadership in pursuing this vision;
- Build strong relationships with others through an ability to communicate clearly and persuasively;
 - Identify and build strong relationships with industrial sponsors and manage all aspects of the faculty-industry relationships;
 - Promote integration of the research and educational missions of the school;
 - Build teams for interdisciplinary research;
 - Promote the generation of faculty intellectual property (IP)

Position Specification:

- Extensive knowledge of and experience with research funding
- Deep knowledge of and experience with faculty research affairs
- Prior experience and success in building and cultivating industrial and corporate partnerships
- Commitment to and ability to exercise leadership at the school, university, state, national, and international level on issues related to research
- Ability to conduct himself/herself at the highest levels of personal and professional integrity and ethical standards at all times
- Ability to coach, lead, develop, and inspire others to achieve their professional best.

The Vice Dean should create a culture of teamwork and collegiality across all of NYU Tandon and NYU that fosters good communication, respect, and provision

of good service, while committing to the process of continuous improvement in the school and the university.

Candidate Profile

- An advanced degree is required.
- 5 years of experience with progressive leadership responsibility at a major research organization or university, with a focus on research development and support, is required.
- This position may or may not be a faculty position, as appropriate. For candidates who would be hired as faculty members: should have academic credentials as a scholar that warrant appointment as a tenured full professor with international recognition.
- At least five years of experience leading a research support office at a major university or large organization with a diverse research portfolio is preferred.
- Record of success in developing and implementing interdisciplinary, collaborative research strategies that lead to increased funding and support from government, nonprofit, and private sector entities.
- Experience outside of academia (industry research, national laboratories, military, nonprofit research entity, or government research lab) will be considered relevant and valuable.
- Appreciation for academic entrepreneurship.

To apply, please submit to:

<https://apply.interfolio.com/57745>

- A letter of application outlining your qualifications for this position;

- CV
- Names and email addresses for three references.

We will review applications starting December 15 and will continue until we fill the position.

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

NYU Tandon School of Engineering

Industry Professor in Computer Science

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites outstanding teachers to apply for a full time, non-tenured, renewable faculty position at the levels of Assistant, Associate or Full Industry Professor in any areas of computer science, with a start date of January 1, 2019 or later.

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An Industry Professor's primary roles are teaching, mentoring and educational innovation, and the position may also entail some administrative work and outreach. The department offers BS degrees in Computer Science and in Computer Engineering, MS degrees in Computer Science and in Cybersecurity, and PhD degrees in Computer Science, as well as several minors.

We invite applicants for classroom and laboratory teaching in all areas of computer science. You should be an excellent teacher and mentor. You should preferably have a Ph.D. in computer science or a closely related discipline and bring a record of teaching and/or

industrial experience in areas related to core computer science topics, but applicants with an M.S. degree will also be considered.

You should submit:

- Cover letter
- Current CV
- Recent teaching evaluations
- A teaching statement describing experience and teaching philosophy
- Names and contact information for three references.

Please submit materials electronically at <https://apply.interfolio.com/56796>

We will review applications starting December 1 and will continue until we fill the position; we encourage you to submit early.

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North Carolina State University

*Department of Computer Science
Networking Faculty Position*

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position in the area of Networking starting August, 16, 2019. Areas of special interest include networking in support of smartcities and smartcommunities, in support of datacenters and edge/core/fog cloud computing, virtualization of networks and virtualization using networks, network measurement, analytics, and forensics, network architecture and design for 5G, mmWave, THz, and other emerging technologies and standards.

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. While the department expects to hire at the Assistant Professor level, candidates with exceptional research records are encouraged to apply for a senior position. The department is one of the largest and oldest in the country. It is part of NCSU's College of Engineering. 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 (29 of our current or former faculty have received one).

NCSU 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. Our department is the single largest source of fresh out-of-school employees in the world for two of the largest companies in the Information Technology space, both of which are among our Super E-Partners, have representatives serving on our Strategic Advisory Board, and fund multiple faculty members with industry research grants every year. NCSU also offers unparalleled opportunities for cross-discipline collaboration. We currently house not one but two active NSF Engineering Research Centers. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S, being multi-year winners of the Fortune magazine award for best places to work, and to bring up a family. We enjoy outstanding public schools, affordable housing, and great weather, all in easy driving distance to the mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified.

Applicants are encouraged to apply by December 15, 2018. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00003985) 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-networking-search@lists.ncsu.edu.

NCSU is an equal opportunity and affirmative action employer. In addition, NCSU welcomes all persons without regard to sexual orientation or genetic information. Individuals with disabilities desiring accommodations in the application process should contact (919) 515-3148.

Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If 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.

North Carolina State University

Department of Computer Science Software Engineering Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position in the area of Software Engineering starting August, 16, 2019. Areas of special interest include software requirements, software testing+analysis, empirical studies, artificial intelligence for software engineering, search-based software engineering, formal methods, and software engineering aspects of emerging topics such as autonomous and adaptive systems, sociotechnical systems, social computing, cognitive issues in software engineering, security, privacy, cloud computing, and service-orientation. A successful candidate would complement the capabilities of the current SE faculty. 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. While the department expects to hire at the Assistant Professor level, candidates with exceptional research records are encouraged to apply for a senior position.

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 (24 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 markets and festivals, and great weather - all in the proximity to the mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number - 00001080) 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-se-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 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.

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North Carolina State University

Faculty Position - Lecturer

The Computer Science Department at North Carolina State University (NC State)

invites applications from outstanding educators for one Lecturer position starting August 16, 2019. Candidates must have a minimum of an MS degree (or equivalent) in Computer Science or related field along with appropriate experience, by August 15, 2019. Candidates should provide demonstrated commitment to quality undergraduate teaching.

The Lecturer will teach three courses a semester. The Lecturer is responsible for the preparation, maintenance, delivery, and overseeing student evaluation of E115, a large enrollment course about the NC State computing environment required of College of Engineering undergraduates. Additionally, a Lecturer will be responsible for teaching additional undergraduate courses in the department or the college, which may include service courses in Python, Matlab, or Java; courses at the 200- and 300-level; or college courses like E101 and/or E102. Service responsibilities may include service lab coordination, teaching assistant training, and/or activities identified by the Department Head of the Director of the NC State Computer Science Undergraduate Program.

The Department of Computer Science and NC State is one of the oldest and largest CS departments in the country. It is part of the university's College of Engineering. NCSU is located in Raleigh, capital of North Carolina, which forms one vertex of the world-famous Research Triangle, including Research Triangle Park (RTP). RTP has one of the most diverse industrial bases in the world and is a center of excellence

for technology and science. The Research Triangle area is routinely recognized in national 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 both mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by December 7, 2018. Salary will be commensurate with qualifications. Applicants should submit the following online at <http://jobs.ncsu.edu> (reference position number 00106662): cover letter, curriculum vitae, statement of teaching philosophy, and names and complete contact information of three 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-teaching-fac-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 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.

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North Carolina State University

Teaching Assistant Professor

The Computer Science Department at North Carolina State University (NC State) invites applications from outstanding educators for one Teaching Assistant Professor position starting August 16, 2019. Candidates must have a Ph.D. in Computer Science or a related area along with appropriate experience by August 15, 2019. Candidates should provide evidence of excellence in teaching at the university level, leadership in curricular innovation, and interest in CS educational scholarship. While we are considering candidates with specializations in all areas of computer science, those with backgrounds in theory, systems, security, or entrepreneurship are especially encouraged to apply

Primary responsibilities will include teaching core Computer Science courses both at the undergraduate and graduate levels, with initial focus on undergraduate core courses. Teaching faculty help maintain consistency and quality of program learning outcomes through curricular innovation, especially at scale. Oversight of Teaching Assistants is expected. Opportunities are available to teach specialized elective courses and mentor researchers at the undergraduate and graduate levels. A successful candidate must be student-centered and interact with the regional and national community. Candidates will be expected to contribute to departmental efforts in scholarship and service. Participation in high quality research activities centered on teaching, learning, diversity, and/or Computer Science related pedagogy is encouraged and supported. Candidates may have the opportunity to lead in the creation and continuation of specialized advanced undergraduate tracks or concentrations.

Teaching-track faculty are full members of the Department and have a promotion path from Teaching Assistant Professor to Teaching Associate Professor and Teaching Full Professor. Teaching-track faculty are highly valued colleagues and contribute to the Department through coordination of courses, participation in the Strategic Planning Committee, ABET accreditation, and departmental leadership. The Department supports engagement of teaching track faculty with the larger community.

The Department of Computer Science and NC State is one of the oldest and largest CS departments in the country. It is part of the university's College of Engineering. NCSU is located in Raleigh, capital of North Carolina, which forms one vertex of the world-famous Research Triangle, including Research Triangle Park (RTP). RTP has one of the most diverse industrial bases in the world, and is a center of excellence for 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, and great weather, all in the proximity of both mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by December 7, 2018. Salary will be commensurate with qualifications. Applicants should submit the following online at <http://jobs.ncsu.edu> (reference position number 00107046): cover letter, curriculum vitae, statement of teaching philosophy, 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/jobs>. Inquiries may be sent via email to: csc-teaching-fac-search@lists.ncsu.edu.

NCSU is an equal opportunity and affirmative action employer. In addition, NCSU welcomes all persons without regard to sexual orientation or genetic information. Individuals with disabilities desiring accommodations in the application process should contact (919) 515-3148.

Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If 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.

North Carolina State University

Department of Computer Science

Theory Faculty Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track/tenured faculty position in theoretical computer science starting August 16, 2019. This search is part of an ongoing effort to strengthen theory within the department.

The department seeks candidates from all areas of theoretical computer science. Successful candidates 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. Candidates with exceptional research records of all levels are encouraged to apply.

The Department of Computer Science values innovation, diversity, collaboration, and lifelong learning, and has active research groups in most areas of computer science with particular strengths in security, systems, software engineering, educational informatics, and games. Situated within a top College of Engineering, the department has extensive ties with industry and government laboratories, and a strong record of faculty research funding. NC State is committed to supporting interdisciplinary work, and department faculty are regularly involved in cross-campus initiatives including clusters in the Chancellor's Faculty Excellence Program (<https://facultyclusters.ncsu.edu>).

NC State is located in Raleigh, which forms one vertex of the world-famous Research Triangle, a metropolitan area that is routinely recognized as one of the best places to live in the U.S. (#13 in the 2018 U.S. News rankings). The Triangle offers diversity, culture, events, and a restaurant scene normally associated with a much larger city, while enjoying reasonable traffic, high-quality public schools, affordable housing, and great weather and infrastructure for outdoor pursuits (including an extensive greenway

system for running/biking, several lakes for boating, and easy access to both the mountains and the beach).

Candidates can obtain additional information about the department and its research programs at <http://www.csc.ncsu.edu/>. Inquiries may be sent via email to: csc-theory-search@lists.ncsu.edu.

Applications will be reviewed as they are received, and the position will remain open until a suitable candidate is identified. Applicants are encouraged to apply by January 1, 2019. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00060889): cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers.

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 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.

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Northwestern University

Computer Science Faculty of Instruction Position

Northwestern University is pursuing an ambitious commitment to grow and transform Computer Science (CS) [<http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html>]. As part of transforming and scaling computer science education, we seek outstanding candidates for non-tenure track teaching faculty in all areas and at all levels, with a clear passion to make a difference in Computer Science and who are excited by the opportunity to help build the future of CS at a great university.

We invite candidates to apply for this non-tenure-track position, the **McCormick Advisory Council Professor of Instruction in Computer Science**.

The successful applicant will be an extraordinary teacher and mentor, combining strong and deep knowledge of Computer Science with a passion to convey that knowledge to a broad variety

of Northwestern students. They will go well beyond delivering entry level service courses to create a learning environment that motivates students to enroll, to work, to learn, and to find new applications of Computer Science that shape their careers and the world beyond. This is a multi-year, renewable position.

Applicants should have earned a Ph.D. in Computer Science or a closely related field. Candidates will be considered at the Assistant or Associate level depending on experience. Faculty of Instruction typically teach two courses per term and are involved in advising students and in departmental curriculum development.

Applicants should submit (1) a cover letter, (2) a curriculum vitae, (3) three to five letters of reference which can speak to the applicant's teaching abilities, (4) statement of teaching philosophy, (5) recent teaching evaluations (if available), (6) a teaching demonstration video (if available). Upload instructions are found at <http://www.mccormick.northwestern.edu/eecs/careers.html>. For general questions about the search or application assistance post submission, contact brianna.mello@northwestern.edu.

Review of materials will begin on December 15, 2018, and applicants are strongly encouraged to submit their materials before that date. 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.

Northwestern University

Postdoctoral Fellowships in Computer Science

Northwestern University has recently announced a substantial commitment to grow and transform Computer Science (CS) [<http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html>]. We will add twenty new tenure-track faculty in the next five years—ten in core Computer Science, and ten collaboratively with other disciplines (CS + X)—as well as a number of non-tenure track teaching faculty.

To support this growth of our faculty, increase our research impact, and meet growing student demand, we invite applications for **Postdoctoral Fellowships in Computer Science**. Combining research with teaching duties, these positions come with attractive benefits and will have considerable autonomy, while still enabling close mentoring by and collaboration with Northwestern faculty members. Strong candidates in all disciplines of Computer Science are encouraged to apply.

The teaching load is one course per quarter over the three quarter academic year

(including an advanced-level course in the candidate's research area). These are two-year positions, with the possibility of renewal for an additional year.

Northwestern is a world leading research and teaching university with an unrivaled combination of excellent schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located just outside of Chicago – a diverse and culturally vibrant world-class city – Northwestern faculty have ample opportunities to connect with the city's growing technology sector.

We encourage candidates to send applications as soon as possible; appointments begin Fall 2019 quarter. Applications received by February 28, 2019 will be given full consideration; however, the positions will remain open until filled. Applicants should submit (1) a cover letter, (2) a curriculum vitae, (3) three to five letters of reference, (4) statement of research goals, (5) statement of teaching philosophy, and (6) two representative publications. For general questions about the search or application assistance post submission, contact brianna.mello@northwestern.edu.

Visit our department page to learn more and apply. <http://www.mccormick.northwestern.edu/eecs/careers.html>

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.

Northwestern University

Postdoctoral Fellowships in Computer Science + X

Northwestern University is pursuing an ambitious plan to grow and transform Computer Science (CS) [<http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html>]. We will add twenty new tenure-track faculty in the next five years—ten in core Computer Science, and ten collaboratively with other disciplines (CS + X)—as well as a number of non-tenure track teaching faculty.

A substantial part of this mission is to grow the boundaries of Computer Science, including by providing students and faculty across the University with education in areas of computation that will help them in their work. Working with Northwestern's Weinberg College of Arts and Sciences, the McCormick School of Engineering will be hiring **Postdoctoral Fellows** who will work across disciplines to develop advanced courses for non-CS students who are working in fields where computation is becoming more and more important.

To support this growth, we invite applications for **Postdoctoral Fellowships in CS+X**. Combining research and curriculum development with teaching duties, our

Postdoc Fellows will work with faculty in CS and other departments to develop interdisciplinary research initiatives and to understand the needs of students outside CS, and to develop classes aimed at meeting those needs. These Teaching Fellows will also be part of the process identifying areas of intersection and impact in drawing computational thinking into new research areas.

These positions come with attractive benefits and will have considerable autonomy, while still enabling close collaboration with Northwestern faculty members. We are initially focused on adding excellent fellows to our Artificial Intelligence, Machine Learning and Data Science teams, but strong candidates in all disciplines of Computer Science are encouraged to apply.

The teaching load is one course per quarter over the three quarter academic year (including an advanced-level course in the candidate's research area). These are two-year positions, with the possibility of renewal for an additional year.

Northwestern is a world leading research and teaching university with an unrivaled combination of excellent schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located just outside of Chicago – a diverse and culturally vibrant world-class city – Northwestern faculty have ample opportunities to connect with the city's growing technology sector. We encourage candidates to send applications as soon as possible;

appointments begin Fall 2019 quarter. Applications received by February 28, 2019 will be given full consideration; however, the positions will remain open until filled. Applicants should submit (1) a cover letter, (2) a curriculum vitae, (3) three to five letters of reference, (4) statement of research goals, (5) statement of teaching philosophy, and (6) two representative publications. For general questions about the search or application assistance post submission, contact brianna.mello@northwestern.edu

Visit our department page to learn more and apply. <http://www.mccormick.northwestern.edu/eecs/careers.html>

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.

Northwestern University

*Professor of Computer Science,
All Levels (Tenure Track)*

Northwestern University continues our ambitious initiative to grow and transform Computer Science (CS) [<http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html>]. We are in the midst of adding twenty new tenure-track faculty—ten in core Computer Science, and

ten collaboratively with other disciplines (CS + X)—as well as a number of non-tenure track teaching faculty. We seek outstanding candidates with a clear passion to make a difference in Computer Science and who are excited by the opportunity to help build the future of CS at a great University.

We invite candidates to apply for new tenure track positions as **Assistant, Associate and Full Professor of Computer Science**.

A key focus this year is in databases, but we are interested in applications from outstanding faculty in all areas of Computer Science. We also encourage applicants to *CS + X faculty positions* jointly with other schools or departments at Northwestern, for individuals and teams exploring new research boundaries in computation. In the last few years, we have hired jointly with Statistics, Learning Sciences, and Journalism, and we remain committed to interdisciplinary research leveraging Northwestern's unique strengths in many areas. Priority in all areas will be given to applicants with path-breaking research interests that have the potential to transform both Computer Science and other disciplines.

Northwestern is a world-leading research and teaching university with an unrivaled combination of excellent schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located just outside of Chicago – a diverse and culturally vibrant world-class city – Northwestern faculty have ample opportunities to connect with the city's growing technology sector.

We encourage candidates to send applications as soon as possible. Applications received by December 15, 2018 will be given full consideration. However, the positions will remain open until filled. Applicants should submit (1) a cover letter indicating rank applied for, (2) a curriculum vitae, (3) three to five references, (4) statements of research and teaching interests, and (5) two representative publications. For general questions about the search or application assistance post submission, contact brianna.mello@northwestern.edu.

Applications are accepted via our online portal. Please visit <https://www.mccormick.northwestern.edu/eecs/careers.html> to submit your application.

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.

The Ohio State University

Tenure-Track Faculty Position, Department of Computer Science and Engineering

The Computer Science and Engineering Department at The Ohio State University seeks to fill one tenure-track position at the Assistant Professor level. We are particularly interested in applicants with expertise in networking or IoT. Highly

qualified applicants in other areas and at more senior levels will also be considered. Applicants should hold or be completing a PhD in computer science & engineering or a closely related field, have a commitments to and demonstrated record of excellence in research, and a commitment to excellence in teaching in addition to having experience leading in or contributing to diverse learning environments.

Additional details and applications instructions are available at <https://academicjobsonline.org/ajo/jobs/12531>.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.

Oklahoma State University

Tenure-Track Assistant Professor Positions

The Oklahoma State University (OSU) Computer Science Department is seeking applications for three tenure-track Assistant Professor positions from candidates with research experience in all areas of Computer Science to begin on August 1, 2019. Priority will be given to applicants with research emphasis in Big Data, Cyber Systems (Cyber Physical Systems/Cyber Security) and related areas. An earned Ph.D. in Computer Science or a closely-related field from an accredited institution is required at

the time of appointment. The position is for the main OSU campus in Stillwater; however, duties may be assigned in either the OSU-Stillwater campus, the OSU satellite campus in Tulsa, or both.

The OSU Computer Science Department (<http://www.cs.okstate.edu/>) is strongly committed to excellence in research, teaching, and outreach. The Department offers the B.S., M.S., and Ph.D. degrees in Computer Science and has a Graduate Certificate Program in Big Data Analytics. The Department also offers courses to students at remote sites using interactive video and the Internet. There are currently about 276 undergraduate students and about 80 graduate students enrolled in the Department.

Candidates will be evaluated on their demonstrated research record, potential to secure external funding, and continued excellence in research publications. Faculty are expected to pursue research collaborations with other faculty, industry, and research institutions.

One of these positions will be responsible for leading the department's efforts in developing and teaching courses for the new online Computer Science BS degree program.

To apply, visit http://cs.okstate.edu/AP_Search-2019-2020

For full consideration, applications should be received by February 1, 2019; however, applications will be considered until the position has been filled. The filing of these position is contingent upon the availability of funding.

A successful faculty candidate should be willing to teach from a multicultural perspective and should demonstrate a commitment to mentoring underrepresented students. Recent departmental diversity statistics for underrepresented undergraduate students are 15% female, 6% African American, 4% Native American, and 4% Hispanic.

OSU is an AA/EEO/E-Verify Employer

OSU-Stillwater is a tobacco-free campus.

Oregon State University

Assistant/Associate/Full Professor

Assistant (preferred), Associate, or Full Professor in Oregon State University's Robotics program. All areas relating to robotics will be considered; however, preference will be given to applicants with research areas that directly develop Artificial Intelligence or Computer Vision capabilities for robotics. Position responsibilities and required qualifications are listed in the position description.

To review posting and apply, go to <http://oregonstate.edu/jobs>, posting #P02306UF. Position is open until filled.

For full consideration, applications should be received by November 16, 2018.

OSU is an AA/EOE/Vets/Disabled institution.

Peking University

Tenure-track Faculty Positions at CECA

The School of EECS at Peking University invites applications for tenure-track positions in the areas of energy-efficient computing and applications. The research topics in energy-efficient computing cover but not limited to energy-efficient computing/storage/communication architectures, compilers and system-level software, and systems at embedded/edge/data-center scales. And the topics in energy-efficient applications include but not limited to wireless health, mobile sensing, and hardware acceleration of compute-intensive applications (such as deep learning, image/video processing, and design automation).

These positions are associated with the Center for Energy-Efficient Computing and Applications (CECA, <http://ceca.pku.edu.cn>), which offers competitive start-up and compensation packages. In this supportive research environment, CECA faculties accomplished innovative research in the fields of energy-efficient computer architecture and mobile system and published the first ISCA paper, the first MICRO paper, and the first MobiCom paper at Peking University, which are the top-tier conferences in the related areas.

Applications from distinguished candidates, at senior levels, are also encouraged.

To apply, please send your resume, statements of research and teaching, and at least three letters of reference to ceca_recruiting@pku.edu.cn

Applications received by January 15, 2019, will be given full consideration. Early submissions are highly encouraged (the first set of interviews will be conducted in December 2018).

Penn State

Open Rank Faculty Positions in Biomedical Data Sciences

Penn State invites applications for new open-rank faculty positions in Biomedical Data Sciences, to build on existing strengths in Data Sciences and Biomedical and Health Sciences, as part of a multi-year hiring initiative in Data Sciences.

We seek outstanding Biomedical Data Scientists with a strong track record of research and publication in, and a compelling vision for, realizing the promise and potential of big data to dramatically improve individual and population health, and a demonstrated commitment to interdisciplinary research and education. We are interested in a broad range of expertise in Data Sciences including, but not limited to informatics, information integration, knowledge representation and ontologies, machine learning, causality, longitudinal data analyses, biomedical text and/or image analysis. Successful candidates will have a Ph.D. in a relevant field (e.g., Artificial Intelligence, Computer Science, Informatics, Statistics, Biostatistics, Machine Learning, Public Health Sciences, Demography, Population Health, Health Policy and Economics, Electrical Engineering,

Biomedical Engineering, etc.) prior to beginning employment at Penn State. Candidates for Assistant Professor must have strong research potential (as demonstrated by relevant publications). Candidates for Associate Professor should have a strong track record of research publication, and funding, and those for Full Professor position should have a track record of research, publication, and funding that distinguishes them, nationally or internationally, as leaders in Biomedical Data Sciences. All candidates must pass a background check before beginning employment.

This cluster hire initiative at Penn State is a partnership of the Institute of Cyberscience (ICS; <https://ics.psu.edu/>) with the College of Information Sciences and Technology (IST; <https://www.ist.psu.edu/>), the College of Health and Human Development (<https://hhd.psu.edu/>), and the College of Medicine (<https://med.psu.edu/>). New faculty will be offered an appointment with tenure home in one of many excellent departments in IST, HDD, or CoM, and will be part of a growing cohort of faculty co-hires affiliated with the Institute for Cyberscience (<http://ics.psu.edu>).

IST has a growing cadre of faculty with research expertise in informatics and data sciences (including artificial intelligence, machine learning, information integration, image analytics, text analytics, data privacy, data ethics), and a broad range of applications across emerging data-rich disciplines. IST offers a highly collaborative interdisciplinary research environment, strong research programs in data

sciences, human-computer interaction, information security and privacy, and socio-technical systems, a strong Ph.D. program in informatics, and several highly successful undergraduate programs (including one in Data Sciences). CoM has made substantial investments in data-intensive patient-centric approaches to improving healthcare (Precision Health), with particular emphasis on underserved rural populations. HDD has deep expertise related to acquiring and using health-relevant data about behaviors, social interactions, and the physical environment from wearable and ambient sensors to understand the role they play in specific health outcomes and to personalize interventions. The Institute for CyberScience, one of Penn State's five university-wide research institutes, connects researchers from numerous disciplines to answer critical scientific questions and societal issues through cyber-enabled research and methodology. ICS has nearly 300 affiliated faculty, with over 20 tenure-track co-hired faculty, engaged in interdisciplinary computation and data enabled research. ICS-affiliated faculty utilize ICS operated Advanced Cyber Infrastructure (ICS-ACI), Penn State's state-of-the-art high-performance research cloud.

Additional details regarding the position and the research environment at the university can be found at: https://ist.psu.edu/college/faculty_search#t1191n3773

To apply, please visit <https://psu.jobs/job/83834> and upload only basic personal information (but not other information listed below). In addition, applicants

must submit the following material through <https://academicjobsonline.org/ajo/jobs/12521> for the application to be complete: (1) cover letter detailing the relevant qualifications for the position; (2) curriculum vitae including publications list; and (3) a 2-5 page research statement outlining future research plans, and a 1-2 page teaching statement. Applicants should also arrange for 3 to 5 references to be submitted via AcademicJobsOnline. Review of applications will begin on December 1, 2018, and continue until the position is filled. Inquiries about the position may be directed to facultyrecruiting@ist.psu.edu.

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.

To review the Annual Security Report which contains information about crime statistics and other safety and security matters and policies, please go to <https://police.psu.edu/annual-security-reports>, which will also explain how to request a paper copy of the Annual Security Report.

Portland State University

Assistant Professor

The Department of Computer Science is embarking on a bold new initiative focused on Trusted Cities: Transparent, Equitable, and Reliable Pathways from

Collection to Action for Urban Analytics. In pursuit of this vision, we seek candidates with expertise in cybersecurity or data science. Applicants should have a willingness to apply their domain expertise to the Trusted Cities initiative, but need not have previous experience in this area. Exceptional applicants at the rank of Associate Professor will also be considered.

The Department of Computer Science currently has twenty tenure-track faculty members, including three NSF CAREER Award winners and two ACM Fellows. The department offers an ABET-accredited B.S. degree, both a thesis and a non-thesis M.S., and a Ph.D. in Computer Science and currently serves approximately 1000 undergraduate and 180 graduate students. Further information is available at <http://cs.pdx.edu>.

Portland State University is a public university located in the heart of one of the most progressive and vibrant cities in the U.S. The University is known nationally for its innovation, community engagement and sustainability initiatives. Its urban setting and unique relationship to city and regional agencies provides a living laboratory for urban research and industry and government collaboration. Portland is also the home of a burgeoning software industry, including leaders in cybersecurity and data analytics.

Qualifications

Applicants are expected to hold or be near completion of a Ph.D. degree in Computer Science or other relevant field. Non-

Ph.D. applicants will be required to have completed the Ph.D. by September 01, 2019. Specific areas of interest include: cybersecurity (including privacy, high assurance software, and cyber-physical systems) or data science (including machine learning, data mining, and data intensive systems)

Job Specifications

The successful applicant will maintain scholarly and funded research activities; teach undergraduate and graduate classes; advise students; and provide service to the university and professional communities and to the public.

To Apply

Applicants will submit materials online at <https://jobs.hrc.pdx.edu/> and include the following documents: 1) curriculum vitae; 2) cover letter which addresses how the candidate will advance the department's strategic direction; 3) statement of teaching philosophy; 4) statement of research interests; 5) name, address, phone number and email address of three professional references.

Review of applications will begin December 1 and will continue until finalists are identified.

For inquiries about this position, please contact cssearch@cs.pdx.edu.

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 starting in September 2019 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 1, 2018, though we will continue to review applications past that date.

Applicants must apply to: <https://www.princeton.edu/acad-positions/position/9641> 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 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 No: D-19-COS-00004

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; applicants who have earned their PhD after September 2016 are eligible to apply. 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 2019 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/9981> 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, 2019, 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 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 No: D-19-COS-00005

Proteus Digital Health

Sr. Staff Research Specialist, Embedded Systems

Proteus Digital Health is seeking a highly motivated Senior Staff Research Specialist, Embedded Systems. This position will lead R&D of future sensors and novel technology directions, with an initial focus on next-generation wearable sensors and a broader sensor R&D remit over time. This person will lead research from early proof-of-concept and prototype creation, catalyze continued investment in promising concepts into development, and help drive innovation and associated

intellectual property in Proteus' long-term sensor technology roadmap. Promising prototypes and early development programs advanced by Embedded Systems will lead to close collaboration between this person and other leaders in the Sensor Technology, Digital Medicine, Product, Clinical and Regulatory groups at Proteus for transition into a formal platform and product development.

Essential Responsibilities

- This role will be responsible for driving research along Proteus' technology roadmap. This involves close collaboration with the VP, Sensor Technology to develop and execute along a new sensor roadmap. This role will involve managing projects through hands-on experimentation to generate proof of concepts that answer core technical questions around future directions.
- Must be able to advocate for cross-functional resources as needed for certain stages of the project, and report out status and findings to management and across development groups.
- Host brainstorming sessions and work closely with legal team to facilitate IP filings as needed. Facilitate engagement in new idea generation.
- Interface with cross-functional teams and executive management to clearly communicate direction and priorities to the team and help shape strategic direction.
- Work closely with sensor development functions to understand existing technology and previously identified

issues that might influence the future technology roadmap.

Management Responsibilities

- Oversee new research, identify experiments and proof of concept designs, execute or manage team members to generate data, prepare or review presentations.
- Identify new technical skills and resource requirements and build our team.
- Represent each team member's findings, achievements, and needs to senior management.
- Foster team growth through coaching, guidance, and feedback.

Qualifications

- Experience with early research, new idea generation, and hypothesis testing. Ability to trail blaze with minimum resources, build the case for expanded development, and communication with senior management. Ability to communicate with and help guide technical contributors as well as understand the broader business vision related to a given technology.
- Experience communicating status and resource requirements, developing technology roadmaps, and advocating for resources. Excellent communication skills and ability to work across a variety of teams.
- Familiarity with multiple software platforms, including the particular needs of embedded systems. Familiarity with leveraging external suppliers for quick turnaround software projects and electronics assemblies.

- The ability to lead a team of employees to produce successful outcomes.
- The responsibility to represent each member of the manager's team; to put the team's needs above personal goals.
- A rock-solid work ethic and commitment to the team.
- Steadiness to work under pressure and to tight timelines.
- The capacity to prioritize a list of responsibilities and projects which may often change to best meet the needs of the production line.
- Integrity and patience needed to ensure all regulatory requirements are met each and every time, and the sense of responsibility to highlight and alert management when these requirements are not met.

Education/Experience

- Must have an advanced degree in CompSci, CompEng, EE, or similar. Doctorate preferred.
- 10+ years' experience in research and development, 2+ years managing teams.
- Experience in systems engineering, embedded systems, or similar roles.
- Experience in firmware development
- Experience in IP generation and documentation.
- Proven results-oriented leadership and data-driven decision making.

Please click to [Apply](#)

Purdue University

Assistant Professor of Statistics

The Department of Statistics at Purdue University invites applications for a tenure-track position beginning August 2019 at the rank of Assistant Professor. Exceptional candidates in all areas of Statistics will be considered and those whose research addresses the emerging statistical issues in application areas including but not limited to the life and agricultural sciences, engineering and artificial intelligence are encouraged to apply.

This position comes at a time when the College of Science is under new leadership and with multiple commitments of significant investment in Data Science. The Department of Statistics offers a stimulating and nurturing academic environment with research programs in a broad-range of areas which include bioinformatics, computational statistics, data science, mathematical statistics, probability, and spatial statistics, among others. Several faculty member have joint appointments in Computer Science, Electrical and Computer Engineering and other departments. Further information about the department is available at <http://www.stat.purdue.edu>.

Department of Statistics is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their experiences, current interests

or activities, and/or future goals to promote a climate that values diversity and inclusion. The successful candidate should have a commitment to diversity and promoting a multicultural environment for learning.

All applicants must hold a Ph.D. in Statistics or a related field, and be committed to excellence in research and teaching. To apply, please visit <http://www.stat.purdue.edu/hiring/> and upload a CV, research statement, teaching statement, and a statement on mentoring both graduate and undergraduate students. Arrange to have three or more reference letters submitted through the above website.

Review of applications will begin on November 15, 2018 and will continue until the position is filled.

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 Faculty Positions in Data Management and Machine Learning

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant, Associate or Full Professor levels in the areas of large scale data management and/or machine learning. This search complements and runs parallel to three other faculty searches

covering all other areas of computer science and an interdisciplinary search in the area of data science.

We are particularly interested in candidates whose work focuses on large scale data management and analytics, cloud-based data systems, and ML systems. We are equally interested in interactive learning, representation learning, algorithmic transparency, complex decision making, and cognitive systems to enhance our current strengths in machine learning and data mining. Highly qualified applicants in other areas will be considered. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and 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 positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the college is pursuing significant new growth and initiatives which complement campus-wide thrusts including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences.

The Department 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>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in the cover letter, indicating past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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 Faculty Positions in Security

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant, Associate

or Full Professor levels in the area of cybersecurity. This search complements and runs parallel to three other faculty searches covering all other areas of computer science and an interdisciplinary search in the area of data science.

All areas of cybersecurity will be considered. We expect new hires to complement and enhance existing departmental strength in cybersecurity which includes cryptography, data security and privacy, network security, software security, and systems security. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and 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.

These positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the college is pursuing significant new growth and initiatives which complement investments in Purdue's most recent strategic thrust, a campus-wide Integrative Data Science Initiative.

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>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until the positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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

Purdue University, College of Science

*Tenure-Track Professorships in
Quantum Information Science*

*Departments of Math and
Computer Science*

The Departments of Mathematics and Computer Science in the College of Science at Purdue University invite

applications for up to five positions in Quantum Information Science (QIS). These positions would be at the assistant/associate level with the potential for full professor appointments based on scholarly record. When appropriate, successful candidates may be considered for joint and interdisciplinary appointments across the College.

QIS is at the frontier of several traditional research disciplines including applied math and computer science, information theory, condensed matter physics, atomic, molecular, and optical physics, and chemistry. QIS strives to harness the unusual quantum mechanical properties of superposition and entanglement to provide breakthrough advances for computing, secure communications, and novel device functionalities. As such, QIS is part of a large-scale interdisciplinary hiring effort across key strategic areas in the College of Science—Purdue's second-largest college, comprising the physical, computing, and life sciences—these positions come at a time when the College is under new leadership and with multiple commitments of significant investment.

The College of Science is especially seeking to enhance our existing strengths in research at the interface within Computer Science and Math through strategic hiring of creative scientists to be part of the cutting-edge interdisciplinary environment provided by Purdue University. Successful candidates will have research interests that can build a comprehensive suite of capabilities in quantum algorithm research, information theoretic analysis, topological quantum

computing, chemical physics, and quantum materials, experimental and/or theoretical quantum computing with superconducting qubits, spins in semiconductors and other condensed matter systems, cold atomic ions, Rydberg, photonic systems chemical physics, or quantum materials.

Candidates must have a PhD in math, computer science, physics, chemistry or other fields related to QIS, with outstanding credentials in research, an excellent track record of publications and potential for developing a vibrant research program, as well as a strong commitment to excellence in teaching. Successful candidates are expected to develop a vibrant research program supported by extramural funding and teach courses at the undergraduate and/or graduate level. Applicants should submit a letter of application electronically, including their curriculum vita, summary of planned research, and a statement on teaching philosophy, to: <https://hiring.science.purdue.edu/>. Applicants should also arrange for three letters of recommendation to be uploaded. Applications will be reviewed beginning December 1, 2018, and will remain in consideration until the position is filled.

All of Purdue University's Departments are committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

A background check will be required for employment in this position. Purdue University is an ADVANCE institution.

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

Purdue University

Assistant Professor of Statistics and Electrical and Computer Engineering

The Department of Statistics in the college of Science at Purdue University invites applications for a tenure-track faculty position to begin in August 2019 at the rank of Assistant Professor. This position is split between Statistics (75%) and Electrical and Computer Engineering (25%). This position is part of a large-scale interdisciplinary hiring effort across key strategic areas within the College of Science with multiple commitments of significant investment in Data Science. We seek candidates to add to our strengths in machine learning, and applied and theoretical statistics.

Successful candidates are expected to develop excellent research programs, show evidence of effective teaching, the ability and willingness to supervise graduate student research and participate in activities related to our graduate programs. We will consider applicants with research interests and a record of high-quality research in theory, met ads, and/or algorithms for big and complex data. Applicants who demonstrate the ability to conduct collaborative

engineering research in those areas as well as application areas that include, but are not limited to the life and agricultural sciences, engineering, and artificial intelligence are encouraged to apply. Candidates are encouraged to learn more about the Department of Statistics and the School of Electrical and Computer Engineering by visiting <http://www.stat.purdue.edu> and <https://engineering.purdue.edu/ECE>.

Applicants must hold a Ph.D. degree in Statistics or a related discipline by the start of the appointment. To apply, please visit <http://www.stat.purdue.edu/hiring/> and upload the following information: cover letter, CV, research statement, 2-3 publications, teaching statement, and a statement on mentoring both graduate and undergraduate students. In addition, arrange to have three or more reference letters submitted. Review of applications will begin on November 15, and will continue until the position is filled.

Purdue University's Department of Statistics and School of Electrical and Computer Engineering are committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. The successful candidate should have a commitment to diversity and promoting a multicultural environment for learning. Purdue's main campus is located in West Lafayette

Indiana, a welcoming and diverse community with a wide variety of cultural activities, events, and industries.

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 Faculty Positions

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant or Associate Professor levels in areas of computer science. This search is in addition to the separate searches in the areas of theory, cybersecurity, databases and machine learning, and an interdisciplinary hiring effort in data science.

Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and 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.

These positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the college is pursuing significant new initiatives which complement campus-wide thrusts including an Integrative Data Science Initiative.

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 see <https://www.cs.purdue.edu>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until the positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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 Faculty Positions in Theoretical Computer Science

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant, Associate or Full Professor levels in theoretical computer science. This search complements and runs parallel to three other faculty searches covering all other areas of computer science. It is part of a broader effort to increase presence in the area of theoretical computer science.

We are particularly interested in candidates whose work in theoretical computer science focuses on the design and analysis of algorithms, randomness in computation, graph algorithms, and quantum computing, and whose interests complement existing departmental strengths. Highly qualified applicants in other 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 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.

These positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the

college is pursuing significant new initiatives which complement campus-wide thrusts including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences.

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>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in the cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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 Faculty Positions in Data Management and Machine Learning

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant, Associate or Full Professor levels in the areas of large scale data management and/or machine learning. This search complements and runs parallel to three other faculty searches covering all other areas of computer science and an interdisciplinary search in the area of data science.

We are particularly interested in candidates whose work focuses on large scale data management and analytics, cloud-based data systems, and ML systems. We are equally interested in interactive learning, representation learning, algorithmic transparency, complex decision making, and cognitive systems to enhance our current strengths in machine learning and data mining. Highly qualified applicants in other areas will be considered. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and 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 positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the college is pursuing significant new growth and initiatives which complement campus-wide thrusts including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences.

The Department 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>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in the cover letter, indicating past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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 Faculty Positions in Security

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant, Associate or Full Professor levels in the area of cybersecurity. This search complements and runs parallel to three other faculty searches covering all other areas of computer science and an interdisciplinary search in the area of data science.

All areas of cybersecurity will be considered. We expect new hires to complement and enhance existing departmental strength in cybersecurity which includes cryptography, data security and privacy, network security, software security, and systems security. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and 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.

These positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College

of Science. Under new leadership, the college is pursuing significant new growth and initiatives which complement investments in Purdue's most recent strategic thrust, a campus-wide Integrative Data Science Initiative.

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>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until the positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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

Queens College of CUNY

Assistant Professor- Computer Science (Multiple Positions)

Job ID: 19533

The Department of Computer Science at Queens College of CUNY is accepting applications two tenure-track Assistant Professor positions starting Fall 2019. The successful candidates must have a demonstrated level of expertise and research excellence in one or more areas of computer science, preferably in computational data science (including algorithms, artificial intelligence/ machine learning, natural language processing, and visualization), software engineering, and hardware/software systems (including high-performance and distributed computing).

For application information and more details, - Go to cuny.jobs, in the box under "What", enter the job ID "19533", click on "Assistant Professor- Computer Science (Multiple Positions)" and select the "Apply Now" button and follow the instructions.

AA/EOE/IRCA/ADA

Queens College of the City University of New York

Lecturer and Assistant Professors

The Department of Computer Science at Queens College of CUNY is accepting applications for a Lecturer position starting Spring 2019 and two tenure-track Assistant Professor positions starting Fall 2019.

Consult <http://www.cs.qc.cuny.edu> for further information.

Rensselaer Polytechnic Institute

Lecturer, Senior Lecturer or Professor of Practice in Computer Science

The **Computer Science Department (CS) at Rensselaer Polytechnic Institute** in Troy, NY, seeks applicants for **Lecturer, Sr. Lecturer, or Professor of Practice** positions to start January, May, or August 2019. Expertise needed in computer organization, operating systems, software engineering, open source software, network programming, mobile computing, and/or data structures, along with the ability to teach other introductory computer science courses. Initial appointment is for three academic years; renewal is expected.

Screening begins immediately. Visit <https://rpijobs.rpi.edu/postings/7327> to complete a short application, and to enter the names and contact information for three (3) references. You will also upload a cover letter, a resume or curriculum vitae, statement of teaching, evidence of teaching effectiveness, and (optionally) a statement of professional research interests. References entered during the application process will be asked to submit letters electronically following the website instructions. Applications are being accepted until the position.

Questions may be sent to Shannon Carrothers, bornts@cs.rpi.edu.

We welcome candidates, who bring diverse intellectual, geographical,

gender, and ethnic perspectives to Rensselaer's work and campus communities. Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employee.

Rice University

Department of Computer Science

We are now accepting applications for tenured and tenure-track faculty positions.

Assistant and Associate Professor Positions

The Department of Computer Science at Rice University invites applications at the ranks of tenured Associate Professor and tenure-track Assistant Professor. Strong applicants in all areas of computer science are encouraged to apply.

Exceptional candidates at the Full Professor level will also be considered. A commitment to excellence in both research and teaching is required for a tenure-track appointment, and successful candidates will have a strong commitment to teaching, advising, and mentoring undergraduate and graduate students from diverse backgrounds. Teaching loads are low for tenure-track faculty to accommodate time for research. The positions will start in July 2019. Applicants must hold a Ph.D. degree or equivalent in computer science or a related discipline, or must complete the Ph.D. by November 1 of the year employment commences.

Please submit a CV, a research statement, a statement of teaching interests, and the names and addresses of at least three references through the RiceWorks portal (<http://jobs.rice.edu/postings/17260>). The application deadline for these positions is December 31, 2018. However, late applications may still be considered at the discretion of the faculty search committee. Please specify clearly in your cover letter that you are applying for a tenure-track faculty position. More information can be found on our web site, <http://www.cs.rice.edu>, or by contacting the Computer Science Department Administrator, Karen Lavelle, at klavelle@rice.edu.

Related Tenure-track Faculty Positions

As part of its new Neuroengineering Initiative, Rice University is conducting an independent search for neuroengineering candidates, including those working on computational, data, and theory-driven approaches to improve our understanding of the function of the brain (see <http://www.neuroengineering.rice.edu/apply-now-to-become-a-part-of-the-team> for details). It is recommended that any applicant whose background overlaps with the CS search and the Neuroengineering search apply to both searches.

Teaching Track Faculty Positions

The Department of Computer Science at Rice University invites applications for teaching track (non-tenure-track) full-time teaching faculty positions in the newly created Online Master's of Computer Science Program. Responsibilities will include teaching fully online courses

during the academic year. These positions will start as early as Spring 2019. Please submit a CV, a statement of teaching interests, and the names and addresses of at least three references through the RiceWorks portal (<http://jobs.rice.edu/postings/17266>). Applications will be accepted and reviewed on a rolling basis. Please specify clearly in your cover letter that you are applying for a teaching-track position. More information can be found on our web site, <http://www.cs.rice.edu> or by contacting the Computer Science Department Administrator, Karen Lavelle, at klavelle@rice.edu.

Research Scientist and Postdoctoral Researcher Positions

Associated research groups led by faculty members in the Department may also have openings for research scientists and postdoctoral researchers on an ongoing basis. The availability of these research positions is contingent on external funding. For further details, please contact faculty members in the research areas of your interest.

About Rice University

Rice University is a private university with a strong reputation for academic and research excellence. Rice attracts outstanding undergraduate and graduate students from across the nation and around the world, and is strongly committed to nurturing the aspirations of faculty, staff, and students in an inclusive environment. Rice provides a stimulating environment for research,



Tenure-track Assistant Professor: Computational Linguistics

The Department of English at the Rochester Institute of Technology invites applications for a full-time, 9 month tenure-track Assistant Professor of Computational Linguistics/Linguistics, beginning in August 2019. Candidates are expected to have an earned doctorate in Linguistics, Computer Science, or a related field by the time of appointment. The committee will consider candidates who will finish their doctorate degree in the first year.

Successful candidates should demonstrate computational expertise, strong research talent, and initiative in grant writing. Candidates should also have a plan for effective teaching and student mentoring at the introductory and advanced undergraduate and graduate levels. We invite applicants to explore our curriculum with courses ranging from linguistic foundations and courses in core sub-disciplines of linguistics to natural language processing and speech processing.

Required Minimum Qualifications

- An earned doctorate (PhD. or equivalent) in Linguistics, Computer Science, or a related field at time of appointment or within the first year;
- Demonstrated research excellence;
- Plan for developing a long-term research program including grant attainment;
- Potential for effective teaching and mentoring of undergraduate and graduate students;
- Ability to contribute in meaningful ways to the college's continuing commitment to cultural diversity, pluralism, and individual differences.

Apply online at <http://careers.rit.edu/faculty> Keyword Search: 4119BR

Please submit: your curriculum vitae, cover letter addressing the listed qualifications and upload the following attachments:

- Research statement (not to exceed 2 pages)
- Teaching statement (not to exceed 1 page)
- Two sample publications or research products (URL acceptable)
- The names, email addresses, and phone numbers for three references
- Contribution to Diversity Statement

You can contact the search committee chair Dr. Cecilia O. Alm with questions on the position at coagla@rit.edu.

Review of applications will begin on November 27, 2018 and will continue until a suitable candidate is found.

The direct link to this posting can be found here: <https://apptrkr.com/1315293>

RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT/TitleIX or the U.S. Department of Education at ED.Gov

teaching, and joint projects with industry. The department and the university have access to superb computational research facilities, both on-campus and in our networked off-campus data center. The university is located across the street

from the Texas Medical Center, one of the premiere centers for medical research in the United States. Houston's energy, medical, aerospace, and technology communities together make the city a hub for computational innovations across real-

time, embedded and high-performance systems, with an increasing demand for data analytics across this spectrum. As the fourth-largest city in the USA, Houston is a cosmopolitan destination with a vibrant economy and world-class performing arts, museums, sports, and dining venues that are all located in close proximity to Rice.

The George R. Brown School of Engineering ranks among the top 20 of undergraduate engineering programs and is strongly committed to nurturing the aspirations of faculty, staff and students in an inclusive environment.

Rice University is an Equal Opportunity Employer with commitment to diversity at all levels and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability, or protected veteran status.

Ripon College

Assistant Professor of Computer and Data Sciences

Ripon College invites applications for a tenure-track position as Assistant Professor of Computer and Data Sciences beginning August 2019.

Successful candidate will oversee the newly established curriculum in Computer and Data Sciences, and will have the opportunity to shape this exciting new program. Computer and Data Science offerings provide the foundation for four

integrated majors: Computer Science/Mathematics, Computer Science/Physics, Computer Science/Chemistry, and Interdisciplinary Computer Science.

For full ad see <https://www.ripon.edu/job/assistant-professor-computer-data-sciences/>

Rutgers Business School

Tenure-track assistant professor position in Machine Learning and Data Science

The Management Science and Information Systems (MSIS) Department of Rutgers Business School - Newark and New Brunswick invites applications for a tenure-track position at the assistant professor rank to start in September 2019. This position targets the area of information systems with special consideration given to applicants with expertise in the broader field of machine learning and data science.

The MSIS department is conducting cutting-edge research in areas of computer science, statistics, and operations research. Our faculty includes experts working in applications and foundations in data mining, security, privacy, and cryptography, machine learning and all aspects of optimization and statistics.

Successful applicants must have a strong record of research accomplishments as demonstrated by publications in very competitive conference proceedings and leading research journals demonstrating the ability to build a body of recognized work suitable for tenure at a research university. They are expected to have

completed a Ph.D. degree or equivalent prior to September 2019.

Candidates are expected to develop an extramurally-funded active research program that will incorporate graduate and undergraduate students. Candidates must be dedicated to providing quality instruction and undertake independent scholarly activity appropriate for advancement within Rutgers University.

The department offers undergraduate programs in Business Analytics and Information Technology and Management Information Systems in New Brunswick and Newark campuses, respectively, as well as Masters in Information Technology and Analytics. It also contributes to the MBA and Quantitative Finance programs by offering courses in the Optimization, Information Systems, Business Analytics, and Information Technology areas. In addition, it coordinates the tracks in Operations Research and Information Technology of the doctoral program.

Interested candidates should submit their application online at: <http://jobs.rutgers.edu/postings/77690> posting number 18FA0697.

The deadline for applications is January 15, 2019.

All offers of employment are contingent upon successful completion of all pre-employment screenings. Rutgers is an EEO/AA Employer.

For more information, contact department coordinator Ms. Luz Kosar at: kosar@business.rutgers.edu.

Rutgers University

Tenure-Track Professors

The Computer Science Department at Rutgers University invites applications for multiple tenure-track positions in several broad areas of Computer Science. The appointments will start September 2019.

More information and instructions for applying can be found at: <http://www.cs.rutgers.edu/employment/>. Applications received by January 14, 2019 will be given priority.

Rutgers subscribes to academic diversity and encourages applications from individuals with varied experiences and backgrounds. Women, minorities, dual-career couples, and persons with disabilities are encouraged to apply.

Rutgers is an affirmative action/equal opportunity employer.

Rutgers University

Cluster hire in Computer Science at Rutgers-Newark: Machine learning, Design/Visualization, & Ethics/Implications

Committed to building a cluster of faculty around interdisciplinary Computer Science, Data Science, and AI, Rutgers University-Newark is hiring in the areas of Machine Learning, Design/Visualization and Ethics/Implications. We seek candidates who have a dynamic and interdisciplinary conception of their research, who can contribute to research and teaching in their areas, and as a core around which

to build a new research center, graduate program, and undergraduate programs in interdisciplinary Computer Science, Data Science, and AI.

The Department of Mathematics and Computer Science at Rutgers University-Newark (RU-N) invites applications for a tenure-track position in **Machine Learning at the Assistant Professor, Associate Professor, or Professor rank**. The position will be based at RU-N, to begin September 2019. We seek applicants with exceptional research programs focusing on computational methods in machine learning, mathematical modeling of complex data sets, or innovative approaches to Artificial Intelligence.

<https://jobs.rutgers.edu/postings/75448>

The Department of Mathematics and Computer Science and Department of Arts, Culture and Media at Rutgers University-Newark (RU-N) invite applications for a tenure-track position in **Design / Visualization at the Assistant or early Associate Professor level**, based at RU-N, to begin September 2019. We seek a design professional working in the intersection between design/visual arts and visualization/data science.

<https://jobs.rutgers.edu/postings/75104>

The Department of Philosophy at Rutgers University-Newark (RU-N) invites applications for a tenure-track position in Philosophy at the Assistant Professor level, based at RU-N, to begin September 2019. We are seeking candidates whose area(s) of specialization is **ethics and/or social**

and political philosophy. The area(s) of competence are open to sub-disciplines within contemporary philosophy.

<https://jobs.rutgers.edu/postings/74930>

Ryerson University (Toronto, Canada)

Assistant Professor (Computer Science) in Cybersecurity

The Department of Computer Science (www.scs.ryerson.ca) in the Faculty of Science at Ryerson University (www.ryerson.ca) is pleased to invite applications for a full-time tenure-track position in Cybersecurity. This position will be at the Assistant Professor level, and will commence July 1, 2019, subject to final budgetary approval.

The deadline to apply is on Friday February 15, 2019. Review of the applications and interviews will start soon thereafter.

For more information on careers at Ryerson and how to apply, please visit our website at <https://www.ryerson.ca/jobs>.

For the full job ad, please visit:

https://hr.cf.ryerson.ca/ams/faculty/preview.cfm?posting_id=517929

Saint Louis University

Tenured or Tenure-Track Faculty in Bioinformatics and Computational Biology

The Department of Computer Science at Saint Louis University, a Catholic, Jesuit

institution dedicated to student learning, research, health care, and service, is seeking candidates for a tenure-track Assistant Professor of Computer Science, to begin in August 2019. We are interested in candidates with a demonstrated record of addressing biological problems and omics data sets with computational approaches.

Candidates must hold a Ph.D. in Computer Science, Bioinformatics, or a closely related field and demonstrate strong potential for both research and teaching. A secondary appointment in one of the Departments of Biology, Chemistry, Mathematics/Statistics or the School of Medicine will be considered for a candidate with appropriate qualifications. This position will support undergraduate and graduate programs in Computer Science, and an interdisciplinary Master's program in Bioinformatics and Computational Biology. Duties include establishing an ongoing research program with national prominence, teaching of both undergraduate and graduate courses, and the mentorship of undergraduate and graduate students.

All applications must be made online at <https://jobs.slu.edu> (see requisition F20180759) and include a cover letter, CV, statement of research interests, statement of teaching interests and experiences, and contact information for three or more potential references. Review of applications will begin on January 7, 2019 and continue until the position is filled.

Additional information about the position and the department can be found at

cs.slu.edu/hiring. Saint Louis University is an Affirmative Action/Equal Opportunity Employer (AA/EOE) and encourages nominations of and applications from women and minorities.

Saint Louis University

Postdoc in Network Management

The Department of Computer Science at Saint Louis University is looking for a postdoc in networking. Candidates with expertise in network virtualization, edge computing and machine learning applied to networking are especially encouraged to apply. ABD will be considered.

The position is for one year renewable to two. Interested candidates should email a cover letter, CV, the names of at least two references and a list of papers relevant to the position to flavio.esposito@slu.edu. Only short-listed candidates will be notified. Application closes when the position is filled.

San Diego State University

Dean of the College of Engineering

San Diego State University (SDSU) seeks a visionary and innovative leader as dean of the College of Engineering. SDSU is a large, Hispanic-Serving Institution ranked in the top 70 public universities. The College of Engineering includes over 60 faculty and 4,200 students.

Reporting to the Provost, the dean is responsible for overseeing the missions of the College, enhancing student success,

securing resources, fiscal management, and promoting the College within the community. The successful candidate will have an earned doctorate and a record of accomplishment suitable for tenure as full professor.

Application materials should be submitted by January 8, 2019. Nominations, inquiries and applications may be sent to Witt/Kieffer consultants at SDSUEngineeringDean@wittkieffer.com. Additional information can be found at www.wittkieffer.com and www.engineering.sdsu.edu.

SDSU is a Title IX, equal opportunity employer.

San Francisco State University

Tenure-Track Assistant or Associate Professor positions in Database/Data Analytics/Big Data, and CS Education

San Francisco State University, Department of Computer Science seeks applicants for two tenure-track Assistant or Associate Professor positions in Database/Data Analytics/Big Data, and CS Education, beginning August 2019. (Candidates in other areas are also encouraged to apply.) The mission of San Francisco State University is to create an environment for learning that promotes appreciation of scholarship, freedom, human diversity, and the cultural mosaic of the City of San Francisco and the Bay Area; to promote excellence in instruction and intellectual accomplishment; and to provide broadly accessible higher education for residents of the region.

state, the nation, and the world. Ph.D. or equivalent degree in Computer Science required. Salary commensurate with qualifications. Position description available at <https://bit.ly/2A0Fsk0>.

Application review begins 12/1/2018, continues until filled, Send letter of intent, a current CV, a statement on how your teaching and scholarship align with the commitment of the CS Department to foster an inclusive and diverse academic community; representative publications; teaching statement; research statement; contact information of three references. Letters of recommendation upon request at a later date.

Santa Clara University

Dean of the School of Engineering

Santa Clara University, a leading Jesuit Catholic institution located in California's Silicon Valley, seeks a visionary and collaborative leader to serve as its next Dean of the School of Engineering.

The Dean will lead the school as Santa Clara embarks on the most transformational initiative in the history of the campus. In partnership with the College of Arts and Sciences, the Dean will support STEM teaching and research through the new Sobrato Campus for Discovery and Innovation. The Dean will oversee strategic planning, collaborate across campus, build industry partnerships, and address student, faculty and community needs.

Santa Clara seeks a leader with a record of academic achievement and administrative leadership. See www.wittkiewer.com for the leadership profile.

Inquiries, nominations and applications are invited. Send applicant materials to SantaClaraEngineeringDean@wittkiewer.com by January 14, 2019.

Santa Clara University is an equal opportunity, affirmative action employer.

Shanghai Jiao Tong University

Tenure-Track Faculty Position

The Department of Computer Science and Engineering (CSE) at Shanghai Jiao Tong University (SJTU) is seeking to fill several tenure-track positions in computer science at the rank of Assistant Professor and above.

Shanghai Jiao Tong University is one of the oldest and most prestigious universities in China, and CSE is premier in computer science research and education. Candidates for these positions are sought for the well-recognized computer science program (ACM class) at SJTU. Over the last ten years, students from the ACM class have won five gold medals in the ACM International Collegiate Programming Contest.

An internationally competitive package for salary and benefits will be offered. Strong candidates in all areas will be considered with special consideration given to systems and networking,

architecture, machine learning, theory, and security. In addition to the teaching duties at ACM class, faculty members are required to teach graduate level courses, to supervise Ph.D. students, and to conduct research in the CSE.

SJTU makes a great effort to provide opportunities for the development of young faculty, including a startup research grant. There are a number of sources for additional research funding. The positions are provided in strong cooperation with Microsoft Research Asia (MSRA) with opportunities for research collaborations. Candidates are encouraged to apply to the Thousand Talents Program for extra funding and benefit support. Our equal opportunity and affirmative action program seek minorities, women, and non-Chinese scientists.

The criteria for promotion will be professional reputation as judged by international experts in the candidate's field and excellence in teaching.

Applications, including CV, Research Statement, Teaching Statement, and three reference letters, should be sent to Ms. Xiaodong Du (du-xd@cs.sjtu.edu.cn) and Prof. Fan Wu (fwu@cs.sjtu.edu.cn).

Simon Fraser University

Tenure-track Faculty Positions

The School of Computing Science at Simon Fraser University invites applications for tenure-track faculty positions. We have multiple openings and will consider applications at all ranks, including assistant,

associate, and full professor. Excellent applicants in all areas of computer science will be considered. Applicants with research focus on computer security, artificial intelligence, networks and systems, and quantum computing will be given priority.

A successful candidate will be expected to lead a team of graduate students in research and teach courses at the undergraduate and graduate levels. Candidates are expected to demonstrate excellence in research. A record of, or potential for (in the case of a junior candidate), high-quality graduate student supervision, and teaching at the undergraduate and graduate levels is expected. A Ph.D. in computer science or related area is required by the start of the appointment. Applicants with a commitment to the advancement of women and minorities in computer science will be given priority.

Simon Fraser University is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has been consistently ranked among the top computer science departments in Canada and internationally. The School currently has 56 faculty members, approximately 350 Ph.D. and M.Sc. students, and 2,000 undergraduate majors.

Review of applications will commence December 1, 2018. The positions are subject to availability of funding and approval by the SFU Board of Governors.

To apply, submit your curriculum vitae, research and teaching statements,

and the names and email addresses of three referees to our on-line application system at:

<http://www.sfu.ca/computing/about/job-opportunities.html>

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Simon Fraser University is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, persons of aboriginal heritage, persons with disabilities, and LGBTQ-identified persons.

Under the authority of the University Act personal information that is required by the University for academic appointment competitions will be collected. For further details see:

http://www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html

Southern Illinois University

Assistant Professor in Computer Science - Computer Graphics & Game Development/ Software Engineering

One Assistant Professor, 9-month, continuing, tenure-track appointment in the Department of Computer Science. Appointment beginning August 16, 2019. Ph.D. in computer science or related field with a specialization in Computer Graphics & Game Development or Software Engineering is required.

For complete position announcement, application process and Affirmative Action Statement, visit <http://cs.siu.edu/opportunities/jobs.php>.

SIU Carbondale is an Affirmative Action/ Equal Opportunity employer

Stevens Institute of Technology

Tenure-Track Faculty Positions in Computer Science and Director of Stevens Institute of Artificial Intelligence

The Department of Computer Science at the Schaefer School of Engineering and Science, Stevens Institute of Technology (Stevens) invites applications for five tenure-track positions at the rank of assistant or associate professor in the areas of Artificial Intelligence, Machine Learning, Natural Language Processing, and Systems; however, exceptional candidates in all areas of Computer Science will be considered.

One of the five positions has been allocated for the Director of the Stevens Institute for Artificial Intelligence (SIAI). SIAI is a new, interdisciplinary research center that brings together over 50 faculty members from most schools and departments of Stevens. Candidates for this positions should apply at least at the rank of associate professor. For more information on SIAI, see: <https://www.stevens.edu/siai>

Applicants should have earned a Ph.D. in Computer Science or a related discipline in all fields of Computer Science that

complements and augments existing expertise in the focus areas of Stevens' strategic plan. Examples of research areas include, but are not limited to, cybersecurity, machine learning, computer vision, data analytics, programming languages, and bioinformatics. Successful applicants are expected to develop a strong externally funded, globally recognized research program. They should also possess a passion for and be committed to excellence in both graduate and undergraduate education in a highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens. Appointments will preferably begin on August 16, 2019. Successful candidates will join a vibrant research environment where faculty research is supported by NSF, NIH, NSA, ONR, DARPA, and other federal and private funding sources. The Department of Computer Science will be the prime occupant of the institute's new \$45 million state-of-the-art academic building, which will add 90,000 sq ft of academic and classroom space when completed in July 2019.

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, Brookhaven National Laboratory, and major corporate research laboratories. Schaefer School of Engineering and Science is the largest school among four schools at Stevens.

Stevens is an Equal Opportunity Employer that is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates as well as veterans and individuals with disabilities. Stevens is an NSF ADVANCE institution committed to equitable practices and policies.

Applications will be accepted until the positions are filled. Applications received by January 15, 2019 will receive full consideration. All applications must be submitted electronically at <https://academicjobsonline.org/ajo/jobs/12580>. 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).

Stony Brook University

Assistant/Associate/Full Professor (Multiple Positions), Computer Science

Required Qualifications:

Ph.D. in Computer Science or related field.

Preferred Qualifications:

Demonstrated history of excellence in research and teaching at the graduate and undergraduate levels.

Responsibilities & Requirements:

The Computer Science Department and the National Security Institute (NSI) at Stony Brook University invite applications for multiple tenure-track faculty positions in Cyber Security at the

Assistant, Associate and Full Professor levels. Applications are processed on an ongoing basis until all positions are filled. The start date can be as early as spring 2019. Senior and junior candidates in all areas of computer systems and security are invited to apply. We are particularly interested in cyber security spanning systems, networking, languages, privacy, big data, mobile, IoT, hardware, and clouds. All applicants should hold a PhD in Computer Science or a closely related discipline and must demonstrate outstanding research accomplishments and potential. Senior-level positions target candidates with world-wide visibility and stellar research programs, and come with the title of SUNY Empire Innovation Professor, enhanced salary and research support. The candidate will be joining a vibrant and friendly research team at the NSI. The Computer Science Department (<https://www.cs.stonybrook.edu>) is home to a highly-collaborative research community of over 50 faculty members and is expected to continue its fast growth in the coming years. The department's brand new building features over 70,000 sqft of laboratories and offices, augmented by additional space in the affiliated Center of Excellence in Wireless and Information Technology (CEWIT) with its 100,000 sqft state-of-the-art facility.

The Assistant/Associate/Full Professor will be responsible for teaching and research in Computer Science.

Special Notes:

This is a tenure track position. FLSA Exempt position, not eligible for the

overtime provisions of the FLSA. Internal and external search to occur simultaneously. Anticipated Start Date: As soon as possible.

Pursuant to Executive Order 161, no State entity, as defined by the Executive Order, is permitted to ask, or mandate, in any form, that an applicant for employment provide his or her current compensation, or any prior compensation history, until such time as the applicant is extended a conditional offer of employment with compensation. If such information has been requested from you before such time, please contact the Governor's Office of Employee Relations at (518) 474-6988 or via email at info@goer.ny.gov.

Stony Brook University is 100% tobacco-free as of January 1, 2016. See our policy and learn more at stonybrook.edu/tobaccofree.

The selected candidate must successfully clear a background investigation.

Application Procedure:

Applicants should submit a State Employment Application, and apply online by clicking the following link:

<https://hiring.cs.stonybrook.edu>

Electronic submission is highly preferred. Alternatively, Mail-In Applications to the departmental address below.

Search Chair
Assistant/Associate/Full Professor (9720)
Search
Department of Computer Science

New Computer Science Building, Room 101
Stony Brook University
Stony Brook, NY 11794-2424

Campus Description:

Stony Brook University, home to many highly ranked graduate research programs, is located 60 miles from New York City on Long Island's scenic North Shore. Our 1,040-acre campus is home to 24,600 undergraduate, graduate, and doctoral students and more than 13,500 faculty and staff, including those employed at Stony Brook Medicine, Suffolk County's only academic medical center and tertiary care provider.

The University is a member of the prestigious Association of American Universities and co-manager of nearby Brookhaven National Laboratory (BNL), a multidisciplinary research laboratory supporting world class scientific programs utilizing state-of-the-art facilities such as the Relativistic Heavy Ion Collider, the National Synchrotron Light Source, and the Center for Functional Nanomaterials, and the New York Blue IBM BG/L+P supercomputer, owned by Stony Brook and managed by BNL. Stony Brook is a partner in managing the Laboratory for the Department of Energy, and is the largest institutional scientific user of BNL facilities. As such, many opportunities exist for collaborative research, and in some cases, joint appointments can be arranged.

Official Job Title: Assistant/Associate/Full Professor (Multiple Positions)

REF#: F-9720-18-08-F

Campus: Stony Brook West Campus

Department: Computer Science

Salary: Commensurate with Experience

Posting Start Date: 08/14/2018

Posting End Date: 02/15/2019

Applications for this position must be received, as specified in the Application Procedure Section, no later than 5:00 PM Eastern Time on 02/15/2019, unless specifically noted otherwise in the Special Notes Section.

STONY BROOK UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER. WE ENCOURAGE PROTECTED VETERANS, INDIVIDUALS WITH DISABILITIES, WOMEN AND MINORITIES TO APPLY. IF YOU NEED A DISABILITY-RELATED ACCOMMODATION, PLEASE CALL THE UNIVERSITY HUMAN RESOURCE SERVICES DEPARTMENT AT (631) 632-6161 OR THE UNIVERSITY HOSPITAL HUMAN RESOURCES DEPARTMENT AT (631) 444-4700. IN ACCORDANCE WITH THE TITLE II CRIME AWARENESS AND SECURITY ACT, A COPY OF OUR CRIME STATISTICS IS AVAILABLE UPON REQUEST BY CALLING (631) 632-6350. IT CAN ALSO BE VIEWED ON-LINE AT THE UNIVERSITY POLICE WEBSITE AT <http://www.stonybrook.edu/police>

For a full position description, or application procedure, visit: www.stonybrook.edu/jobs

(Req. # F-9720-18-08-F)

Stony Brook University

Multiple Positions (all levels) as Empire Innovation Professor in the AI Institute

Seeded by a \$3 million SUNY Empire Innovation Program grant, the new Institute for AI-Driven Discovery and Innovation (IAI-DDI) at Stony Brook University (ai.stonybrook.edu) invites applicants for multiple tenure-track faculty positions at the Assistant, Associate and Full Professors levels. These faculty positions will reside in the Departments of Computer Science and Biomedical Informatics, each with affiliation in IAI-DDI. We will process applications on an ongoing basis until all positions are filled. The start date is negotiable, but can be as early as Spring 2019.

The senior-level positions come with the title of Empire Innovation Professor, and enhanced salary and research support. Exceptionally qualified senior and junior candidates in all areas of Artificial Intelligence are invited to apply, particularly in the following technical areas: 1) machine learning, 2) computer vision; 3) natural language processing, and 4) data science. Applicants should hold a PhD in Computer Science or a closely related discipline and must demonstrate superior research accomplishments and potential.

At least one of our successful applicants will have a focus on applications of AI and machine learning to Medicine, with possible areas of focus including Pathology and Radiology Imaging, clinical decision support, ICU and anesthesiology

sensor data, mobile health, population health and/or precision medicine. This applicant could come from either a Biomedical Informatics, Computer Science or related background.

AA/EOE. **Female/Minority/Disabled/Veteran**

For a full position description or application procedures, visit: www.stonybrook.edu/jobs (Ref. # F-9924-18-11-F)

Suffolk University

Assistant Professor Computer Science - Tenure Track

The Department of Mathematics and Computer Science at Suffolk University invites applications for a tenure-track Assistant Professor of Computer Science. Candidates must have a Ph.D. in Computer Science in hand by the July 1, 2019 start date.

Applications in all research areas will be considered, although we are particularly interested in candidates in the areas of wireless networking, networks security, data science, or software systems. We are looking for someone with evidence of teaching excellence who is able to teach a variety of undergraduate Computer Science courses, including core courses in Computer Science. Experience with innovative teaching techniques and an interest in collaborating across disciplinary boundaries to address issues of broader scientific and social importance are highly desirable.

Application should be made through the Suffolk HR website and should include the following elements: 1) cover letter; 2) CV; 3) copy of graduate transcripts; 4) statement of research and teaching interests; and 5) three professional letters of reference, which should be submitted electronically to Samiah Johnson, Human Resources Assistant, at sjohnson7@suffolk.edu.

Review of applications will begin immediately, with a final application deadline of January 15, 2019.

Suffolk University is a private, comprehensive, urban university located in downtown Boston, and is an equal opportunity employer committed to a diverse community. Candidates from underrepresented groups are encouraged to apply. To learn more about Suffolk University visit our website at www.suffolk.edu.

Applications should be submitted at: <https://app.jobvite.com/j?cj=oEIJ8fwX&s=cra.orgv>

Swarthmore College

Visiting Assistant Professor

The Department of Computer Science at Swarthmore College invites applications for multiple two-year positions at the rank of Visiting Assistant Professor to begin Fall semester 2019. Applications accepted at <http://apply.interfolio.com/56920>.

Swarthmore College is a highly selective liberal arts college, located in the suburbs of Philadelphia, whose mission combines

academic rigor with social responsibility. The Computer Science Department currently has nine tenure-track faculty and four visiting faculty. Faculty teach introductory courses as well as advanced courses in their research areas. We have grown significantly in both faculty and students in the last five years. Presently, we are one of the most popular majors at the College and expect to have over 60 Computer Science majors graduating this year (2019).

Applicants must have a Ph.D. in Computer Science or expected by Fall 2019. Applicants strong in any area of computer science will be considered. Applications will be reviewed on a rolling basis until all positions are filled.

Swarthmore College actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world. Swarthmore College is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

Syracuse University

Assistant Teaching Professor - Electrical Engineering & Computer Science

The College of Engineering & Computer Science offers three Masters programs online, MS Computer Engineering, MS Computer Science, & MS Cybersecurity. Due to the rapid growth of the program, the college is looking for well-qualified candidates to join the full-time teaching

faculty whose primary duty is teaching courses in these programs. The faculty will be a regular part of the faculty body of the Electrical Engineering & Computer Science department within the College on the Syracuse University campus, and he or she will have on campus office allowing close interactions with faculty. Occasionally, this position may have opportunities to teach on-campus courses. Unlike some online faculty positions in other institutions, this post is a regular faculty position that is fully integrated with the faculty body of the department and college.

Responsibilities:

- Teaching live lectures over a virtual platform and asynchronous video lectures.
- View asynchronous content in advance of each weekly live session.
- Meet all designated class periods.
- Grade assignments and exams.
- Maintain regularly scheduled office hours.
- Submit completed mid-semester progress reports and final grades according to University regulations.
- Curriculum development of three credit courses offered in 11-week quarters with alternating asynchronous and live sessions
- Student support, including online advising and office hours
- Coordination with other faculty teaching or developing the same courses online or on-campus

- Program administration, including supporting student admissions and placement

Qualifications:

- PhD (preferred) or Master's Degree (required) related to Computer Science, Cyber Security, Data Science, or Computer Engineering.
- Teaching experience or significant professional experience in a related field.
- Experience with instructional design and online teaching preferred.
- The ability to be self-directed with broadly-defined limits on assignments.
- Excellent communication skills, both oral and written.
- A demonstrated ability to interact effectively and efficiently with diverse people in a highly multidisciplinary environment.
- Interest in learning to use new technological tools to engage students in a virtual classroom environment.

Application Instructions:

Please complete an online application on our website: <http://www.sujobops.com>, job# 074056)

In addition to completing the online application, please submit CV/ Resume, Cover Letter, and Reference List for consideration.

Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse work force.

Women, military veterans, individuals with disabilities, and members of other traditionally underrepresented groups are encouraged to apply.

Syracuse University

Computer Science - Full Time Assistant/ Associate Teaching Professor Positions

Syracuse University's Department of Electrical Engineering and Computer Science (EECS) invites applications for the multiple positions at the rank of Instructor, Assistant Teaching Professor, or Associate Teaching Professor positions to begin in August 2019. There is also an option to start in January 2019. Rank and salary will be determined by credentials and experience. Teaching responsibilities will include a range of undergraduate and graduate courses in Computer Science and Computer Engineering.

Qualifications

Candidates should have a doctoral degree in Computer Science or a related discipline. However, candidates with a Master's Degree in Computer Science or a related area can be considered. Successful applicants should have a record of (or potential for) excellence in teaching, the ability to relate well with students, and the ability to teach students with a wide range of academic backgrounds.

Responsibilities

- Developing and/or updating a class syllabus

- Ordering the appropriate books and materials in advance of the class start date
- Preparation of lectures, projects or other student assignments
- Maintaining regularly scheduled office hours
- Presenting instruction based on the competencies and performance levels of the course.
- Meeting all designated class periods.
- Submitting completed progress reports and final grades according to University regulations.
- Grading student assignments and exams in timely manner.
- Student advising and duties related to teaching and duties specified in the contract

About Applying

For full consideration, candidates must complete an online application and electronically attach a cover letter, curriculum vitae, teaching statement, and contact information of two professional references through <http://www.sujobopps.com>, job # 074224. To be competitive, we strongly encourage candidates to apply early. Review of applications will continue until the positions are filled. For additional information, please contact the search committee, via email at eeecssearch@syr.edu.

Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse work force. Women, military veterans, individuals

with disabilities, and members of other traditionally underrepresented groups are encouraged to apply.

Syracuse University

Open-Rank Tenure-Track Faculty Positions in Computer Science

Job Description

Syracuse University's Department of Electrical Engineering and Computer Science (EECS) in the College of Engineering and Computer Science (<http://eng-cs.syr.edu>) invites applications for multiple tenure-track or tenured faculty candidates at all ranks who are committed to innovative teaching, inclusive excellence, and interdisciplinary collaboration within four signature research areas: Unmanned Systems, Energy Sources Conversion and Conservation, Intelligent Systems, and Security. Further information on the strategic areas can be found at: <http://eng-cs.syr.edu/50-over-5-signature-hiring-initiative/>

Qualifications & Responsibilities

Candidates must have an earned a doctoral degree in computer science or a related discipline. We strongly encourage applications from candidates with a demonstrated commitment to diversity, inclusion, and excellence in both teaching and research. Syracuse University is a Carnegie RI ranked (highest research activity classification) university that "aspires to be a pre-eminent and inclusive student-focused research university."

About Applying

For full consideration, candidates must complete an online application and electronically attach a cover letter, curriculum vitae, research statement, teaching statement, and contact information of three professional references through <http://www.sujobopps.com>, job# 074122. To be competitive, we strongly encourage candidates to apply early. Review of applications will continue until the positions are filled. For additional information, please contact the search committee, via email at eeccsearch@sy.edu.

Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse work force. Women, military veterans, individuals with disabilities, and members of other traditionally underrepresented groups are encouraged to apply.

Temple University

Department of Computer & Information Sciences

Multiple open rank, full-time instructional faculty positions

The Department of Computer and Information Sciences (CIS) at Temple University invites applications for multiple Professor of Instruction positions. We are interested in hiring faculty that will help us further extend the quality, depth, and breadth of our curriculum and contribute their leadership in advancing our educational

mission. An ideal applicant will have a PhD degree in computer science (or a related discipline), substantial industry experience, or prior experience teaching computer science courses. Of particular interest are applicants with interest and relevant experience in teaching online courses.

The CIS department has a vibrant and growing student population and we have a strong commitment to their success. Temple University is an R1 institution that offers competitive salaries and excellent benefits, and is located in the heart of Philadelphia with access to world-class arts venues, culture, and history. The university is an equal opportunity, equal access, and affirmative employer with a strong commitment to the quality of faculty life and achieving a diverse community. Women and minorities are especially encouraged to apply.

This position is a non-tenure track 9-month academic appointment with a renewable 3 year contract. Opportunities for summer salary include summer teaching and grant-funded research. Applications should be submitted electronically at <https://academicjobsonline.org>. Submitted materials should include a curriculum vitae, teaching statement, and a statement describing contributions to academic research or industry experience. Review of candidates will begin immediately and continue until the positions are filled.

Applicants are encouraged to apply by January 14, 2019 for priority consideration.

For more information, send an email to jamie.payton@temple.edu with "Professor of Instruction Position" as the subject.

Temple University

Faculty Positions

(Assistant/Associate/Full Professor)

Department of Computer and Information Sciences

The Department of Computer and Information Sciences (CIS) at Temple University invites applications for multiple tenure-track faculty positions. Exceptional candidates at all ranks and areas of will be considered. Successful candidates will join world-class investigators in the Center for Data Analytics and Biomedical Informatics, Center for Networked Computing, Center for Research in Intelligent Storage, Institute for Computational Molecular Sciences, and Institute for Genomics and Evolutionary Medicine. Applicants are expected to have an outstanding research track record and are expected to demonstrate excellence in teaching.

Temple University is a Carnegie R1 (highest research activity) institution located in the heart of Philadelphia that serves more than 39,000 students and is placed as No. 46 among public universities by the U.S. News ranking. CIS is among the top 50 computer science departments in the country based on the ARWU Shanghai

Professional Opportunities

ranking and in No. 76 based on publication and citation measures. CIS offers a highly competitive salary and start-up package, low teaching load, and institutional support for an active doctoral program.

Applications should be submitted electronically at <https://academicjobsonline.org/ajo/jobs/12157>.

Submitted materials should include a curriculum vitae, description of research accomplishments, research statement, teaching statement, and three letters of recommendation (names of referees are sufficient for senior-level candidates). Review of candidates will begin on

November 1, 2018 and continue until the positions are filled. Temple University is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.

Texas A&M University

Open Rank Faculty Positions - Computer Science and Engineering

CSE invites applications for multiple tenure-track positions at the assistant, associate, and full professor levels. Candidates are being sought in the areas of theory, systems, software, human-centered computing, data

science, artificial intelligence, robotics, and computer science education. Exceptional candidates in other areas are also welcome to apply. Successful candidates will be expected to teach at the undergraduate and graduate levels, develop an independent, externally funded research program, advise graduate students, participate in all aspects of the department's mission, and serve the profession. Applicants must have earned a doctorate in computer science, computer engineering or a closely related field.

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of four



Computer Science

TENNESSEE TECH

- **Multiple open rank tenured/tenure-track cluster hire in cybersecurity**
- **ABET accredited computer science program**
- **Home to Cybersecurity Education, Research and Outreach Center, which is a NSA/DHS accredited Center of Academic Excellence in Cyber Defense Education**
- **tntech.edu/cs-hiring**

references (including postal addresses, phone numbers, and email addresses) by applying for this specific position at www.tamengineeringcareers.org. The review process will begin immediately. Full consideration will be given to applications received by January 4, 2019. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin fall 2019.

Computer Science and Engineering at Texas A&M is currently one of 14 departments in the College of Engineering. Many of the 48 tenured/tenure-track faculty and 11 teaching-focused faculty holds a number of national distinctions, including ACM, IEEE, AAAS, and SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program with half the faculty having received NSF CAREER/NYI/PYI awards. Our student population is comprised of nearly 1,100 undergraduate students (sophomore to senior level) and over 400 graduate students. More information about CSE is available at <http://www.cse.tamu.edu>.

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity. Texas A&M University is located in the twin cities of Bryan and College Station,

TX, with a population of more than 255,500, and is conveniently located in a triangle formed by Dallas, Houston, and Austin. Texas A&M has more than 68,600 graduate and undergraduate students enrolled. Research expenditures at Texas A&M total more than \$892 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than \$11.5 billion, the university ranks third among U.S. public universities and eighth overall. Texas A&M is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and having policies that contribute to work-life balance.

For more information visit <http://dof.tamu.edu/Faculty-Resources/CURRENT-FACULTY/Faculty-Work-Life>. With over 650 faculty members and more than 20,000 students, the College of Engineering is one of the largest engineering schools in the country. The college is ranked seventh in graduate studies and eighth in undergraduate programs among public institutions by U.S. News & World Report, with six of the college's 14 departments ranked in the Top 10. The college is also ranked second in research expenditures by the American Society for Engineering Education.

Texas State University

Department of Computer Science

The Department of Computer Science invites applications for three faculty positions:

1. One tenure-track Assistant Professor to start on September 1, 2019. Review date is February 4, 2019.
2. Two non-tenure track Senior Lecturers to start on September 1, 2019. Review date is March 4, 2019.

Please consult the department's webpage at www.cs.txstate.edu/employment/faculty/ for job duties, required and preferred qualifications, application procedures, and information about the university and the department.

Texas State University is committed to an inclusive education and work environment that provides equal opportunity and access to all qualified persons. Texas State, to the extent not in conflict with federal or state law, prohibits discrimination or harassment on the basis of race, color, national origin, age, sex, religion, disability, veterans' status, sexual orientation, gender identity or expression. Texas State University is a member of The Texas State University System. Texas State University is an EOE.

Texas Tech University

Assistant/Associate/Full Professor

The Department of Computer Science at Texas Tech University invites applications for multiple tenured or tenure-track positions at various ranks starting in Fall 2019. Applicants must have a Ph.D. degree in Computer Science or related fields by the time of appointment. We are looking for outstanding individual from all areas of computer science with

track records of research excellence and potentials to become a leader in research and education. Assistant/Associate/ Full Professor candidates should demonstrate leadership in building multidisciplinary research teams at the university or national level and obtaining external funding.

A letter of application, Curriculum Vitae, statement of research, teaching statement, and three letters of reference (five for applications at the rank of professor) should be submitted electronically at <http://www.texastech.edu/careers/> using requisition numbers 15223BR for associate professor/ 15349BR full professor positions and 15198BR & 15199BR for assistant professor positions.

As an Equal Employment Opportunity/ Affirmative Action employer, Texas Tech University is dedicated to the goal of building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minorities, women, veterans, persons with disabilities, and dual-career couples. Texas Tech University recently surpassed the Hispanic student population threshold necessary for designation as a Hispanic Serving Institution (HSI).

Should you have questions, please contact: Dr. Akbar Namin, at cs.search@ttu.edu

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 2019. 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.

Applications should be submitted to: <https://trincoll.peopleadmin.com/>.

Consideration of applications will begin on December 15, 2018.

Trinity College is an Equal-Opportunity/ Affirmative-Action employer.

Trinity University, San Antonio, TX

Tenure-track Assistant Professor in Computer Science

Trinity University is seeking early career candidates for an appointment in the Computer Science department. A Ph.D. in Computer Science or a related field is required.

The position will be selected from candidates with expertise in any area of Computer Science. Candidates should demonstrate a passion for

teaching courses in computer science, including courses in their domain of expertise, as well as introductory and upper-level courses required for all of our majors. Candidates should have a high potential for teaching in the liberal arts environment of Trinity University. This includes contributing to the core curriculum taken by all Trinity students, the Pathways curriculum, by teaching courses for our interdisciplinary clusters and/ or providing experiential learning opportunities for our undergraduate students. Candidates must have a demonstrated record of research in their relevant discipline, and have a plan to continue their research that includes undergraduate students in their research. Candidates should demonstrate effective communication skills; a commitment to teaching, advising, and mentoring undergraduate students; and a commitment to diversity, equity, and inclusion.

Applicants should electronically submit a cover letter; curriculum vitae; the names and contact information for at least 3 recommendation letter writers; statement of the candidate's teaching philosophy and qualifications; statement of the candidate's scholarship that includes a plan to involve undergraduate students; and other materials of the candidate's choosing to cs-search@trinity.edu

Applications should be submitted as soon as possible. The search will remain open until the position has been filled. Applications

submitted on or before December 1, 2018, will be given full consideration.

Trinity University is an equal opportunity employer.

University at Albany

Faculty Positions in Computer Science

The College of Engineering and Applied Sciences, University at Albany seeks applicants for faculty positions, open rank, beginning August 2019, in its Department of Computer Science. Applicants are encouraged to apply online.

Applicants must have a Ph.D. in Computer Science or a closely related discipline from a college or university accredited by the U.S. Department of Education or an internationally recognized accrediting organization. Applicants must be committed to teaching, research, and service. To apply, please submit a complete CV, including a list of publications, a research statement, and a teaching statement, along with the names and contact information for at least three references.

For a complete job description and application procedures, visit: <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=104698>

Questions regarding the position may be addressed to the Search Committee at CSfacultysearch@albany.edu

The University at Albany is an EO/AA/IRCA/ADA employer.

University at Buffalo

Professor of Empire Innovation

The Department of Computer Science and Engineering (CSE) at University at Buffalo invites candidates to apply for multiple faculty positions 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 proven track records 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 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 offers both BA and BS degrees in Computer Science, a BS in Computer Engineering, a combined 5-year BS/MS program, a minor in Computer Science, and two joint programs (BA/MBA and Computational Physics) as well as MS and PhD programs.

The department has over 40 tenured/tenure-track faculty, 7 teaching faculty, and approximately 1,000 undergraduate majors, 450 masters' students, and 160 PhD students. Members of our faculty are IEEE and/or ACM Fellows. Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering, document analysis and recognition; high performance computing; information assurance and cyber security; embedded, networked and distributed systems, and sustainable transportation.

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 20,000 undergraduates and 10,000 graduate students and 1600 fulltime faculty. The School of Engineering and Applied Sciences has 6,000 students enrolled across 9 academic departments. Recently

established Centers of Excellence such as Sustainable Manufacturing and Advanced Robotic Technologies (SMART), RENEW and Global Health as well as ISTL and DoD's UTC Tier 1 Center on Transportation Informatics provide many opportunities for multidisciplinary research collaboration across the university.

University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our commitment, welcomes all to apply including veterans and individuals with disabilities.

Apply at: <http://www.ubjobs.buffalo.edu/postings/17035>

University of Alabama at Birmingham

Open Rank Faculty Position

The Department of Computer Science (CS) at the University of Alabama at Birmingham (UAB) is seeking candidates for a tenure-track/tenured faculty position beginning Fall 2019. While preference is given to candidates at the Assistant Professor rank, highly qualified candidates at Associate Professor and Professor rank will also be considered. For additional information about the Department, please visit: <http://www.cs.uab.edu/>.

Candidates with expertise in all core CS areas are sought, with preference given to Software Engineering, Computing Systems, and Data Science areas. UAB has made a significant commitment to both research and teaching in Computer Science. Candidates must consequently

have strong research and teaching credentials. Experience and success in funded research is desirable for junior-level candidates, and required for senior-level candidates. UAB is a Carnegie "Very High Research Activity" University.

The CS Department at UAB offers PhD, MS, BS, and BA programs. The Department has a strong research focus, and a strong commitment to teaching, service, and outreach. The goal is to grow the PhD, MS, and BS significantly over the next several years. Research funding is expanding significantly, and the Department has a leadership role in a Center focusing on Cyber Security. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work.

A Ph.D. in Computer Science or a closely related field is required. Applications should include a curriculum vitae, a list of publications and scholarly achievements, a statement of future research plans, a statement of teaching experience and philosophy, and at least three reference letters. Applications and all other materials (including reference letters) should be submitted through UAB's PeopleAdmin: <https://uab.peopleadmin.com/postings/4604>.

Review of candidates will begin January 15, 2019, and the search will continue until the position is filled.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly

environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background investigation is performed on candidates selected for employment.

University of Alabama

Computer Science Associate/Full Professor - Cybersecurity

The Department of Computer Science at The University of Alabama invites applications for a faculty position at the Associate or Full level in the area of cybersecurity. Applicants must demonstrate a strong external funding record, publication record, and Ph.D. graduation rate. Applicants must have a Ph.D. in Computer Science or a closely related field and must show the ability to establish a quality research program, collaborate effectively with other faculty, and excel in teaching at both the graduate and undergraduate levels.

The University of Alabama currently serves over 37,000. The College of Engineering, home to the Computer Science Department, is experiencing unparalleled growth and prosperity, having recently completed a four building \$330M expansion to provide one million square feet of state-of-the-art research and instructional space. The Computer Science Department has 25 faculty members (17 tenured/tenure-track faculty),

approximately 700 undergraduates and 40 Ph.D. and M.S. students. The Department is funded by agencies such as NSF, Google, Departments of Education and Commerce, various Defense agencies, multiple State agencies and other sponsors.

For more information visit: <http://cs.ua.edu/computer-science-associatefull-professor-fall-2019/>

For additional information, please contact:

Dr. Jeffrey Carver
Department of Computer Science
The University of Alabama
Box 870290
Tuscaloosa, Alabama 35487-0286
Phone: (205) 348-9829
E-mail: carver@cs.ua.edu

University of Alabama

Computer Science Associate/Full Professor - Cybersecurity

The Department of Computer Science at The University of Alabama invites applications for a faculty position at the Associate or Full level in the area of cybersecurity. For consideration at the Associate or Full Professor level, applicants must demonstrate a strong external funding record, publication record, and Ph.D. graduation rate commensurate with this level of appointment. Applicants must have a Ph.D. in Computer Science or a closely related field and must show the ability to establish a quality research program, collaborate effectively with other faculty, and excel in teaching at both the graduate and undergraduate levels.

Established in 1831, the University of Alabama currently serves over 37,000 students and employs over 1,700 full and part-time faculty members in thirteen colleges and schools. Housed in the College of Engineering, the Computer Science Department has 25 faculty members (17 tenured/tenure-track faculty), approximately 700 undergraduates and 40 Ph.D. and M.S. students. The Department is funded by agencies such as NSF, Google, Departments of Education and Commerce, various Defense agencies, multiple State agencies and other sponsors.

The University offers an impressive array of academic programs leading to bachelor's, master's, and doctoral degrees and a growing number of educational opportunities through distance learning technology. More information on The University of Alabama can be found at the university's website. The College of Engineering is experiencing unparalleled growth and prosperity, having completed the \$330M, four building, Shelby Engineering and Science Quad in the summer of 2013. These buildings provide nearly one million square feet of state-of-the-art research and instructional space.

The University is located on a beautiful 1,168 acre residential campus in Tuscaloosa, a dynamic and resilient community of over 150,000 in central Alabama. Tuscaloosa is conveniently located between Atlanta, New Orleans, and the white sandy beaches of the Gulf coast. The area offers excellent climate, minimal urban congestion, and abundant outdoor recreation. The Tuscaloosa

community provides rich cultural, educational, and athletic activities for a broad range of lifestyles.

Applicants should apply online on the university's faculty and research personnel recruitment website. Required application documents include: resume/ curriculum vitae, cover letter, and names of three references. Review of applications will begin immediately. The University of Alabama is an equal opportunity/affirmative action employer. For additional information, please contact:

Dr. Jeffrey Carver
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The University of Alabama
Box 870290, Tuscaloosa
Alabama 35487-0286
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E-mail: carver@cs.ua.edu

University of Arizona

Assistant, Associate, or Full Professor of Computer Science (Position in Computer Security)

The Department of Computer Science at the University of Arizona invites applications for a tenure-track faculty position in the area of computer security at the Assistant, Associate, or Full Professor rank. This position is part of a strategic effort at the University to build broad strength in computer security across campus. Candidates in related areas will also be considered.

The Department has a long history of research accomplishment, influential

software distribution, and substantial external funding. Current research areas include algorithms, bioinformatics, compilers, computational geometry, databases, high-performance computing, natural language processing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at www.whyUA.com.

To apply, complete an online application at the UA Human Resources web site, <http://uacareers.com/postings/32782>. Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin January 7, 2019 and continue until the position is filled. Please email search@cs.arizona.edu if you have any questions or need assistance.

University of British Columbia

*Tenure-track Assistant Professor,
Systems and Software Engineering*

The Department of Electrical and Computer Engineering at the University of British Columbia Vancouver campus invites applications for up to two tenure-track assistant professor positions in the area of software systems and software engineering.

Successful applicants will be expected to develop an independent research program that complements the department's existing strengths, assume teaching responsibilities at the undergraduate and graduate levels, and serve the department and university in various capacities. Applicants must demonstrate clear interest in and potential to achieve excellence in research, teaching and service to the academic community.

Applicants should hold a doctoral degree in a relevant discipline and must be eligible to register as a professional engineer with Engineers and Geoscientists British Columbia.

Please submit applications to <http://www.ece.ubc.ca/our-department/openings/faculty-positions>.

Applications should include a cover letter, curriculum vitae, research statement, teaching statement and copies of two major publications.

Review of applications will begin on November 30th, 2018, and will be accepted until January 10th, 2019. The anticipated start date is July 1st, 2019, but is negotiable.

Our department is anticipating significant renewal and expansion over the next five years. All positions are subject to funding and will be governed by UBC's Agreement on Conditions of Appointment for Faculty Members.

For more information about the Department of Electrical and Computer

Engineering, please visit <http://www.ece.ubc.ca>. Please direct enquiries about the position and the application process to chair-recruiting@ece.ubc.ca.

We encourage all applicants to complete our equity survey at https://ubc.ca/qualtrics.com/jfe/form/SV_eRMxL5oF43LpeKh. Your participation in this survey is voluntary and anonymous, and your responses will not be used to determine your eligibility or suitability for employment. Anonymized data will be aggregated and used to provide insight into the diversity of the applicant pool, with respect to designated equity groups, and to identify and address potential discriminatory barriers to employment. The survey will ask you to self-identify in one or more designated equity groups, and you may select "prefer not to answer" for any or all questions.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.

Berkeley
UNIVERSITY OF CALIFORNIA

Assistant Professor - Computational and Metabolic Biology - Nutritional Sciences and Toxicology/Center for Computational Biology

The Department of Nutritional Sciences and Toxicology and the Center for Computational Biology at the University of California, Berkeley seek applications for a tenure track Assistant Professor nine-month faculty position, in the area of Computational and Metabolic Biology, with an expected start date of July 01, 2019.

For more information about the position, including required qualifications and application materials, go to <http://apptrkr.com/1343087>

The deadline to apply is **January 07, 2019**. For questions, please contact Nicole Lowy at nlowy@berkeley.edu

UC Berkeley is an AA/EEO employer.

University of California Irvine

Five Assistant (Tenure Track), Associate or Full (Tenured) Professor Positions in Science and Engineering of Advanced Manufacturing

The Institute for Design and Manufacturing Innovation (IDMI) in the Samueli School of Engineering at the University of California Irvine, is spearheading an effort to hire a cluster of 5 faculty members in the general field of Science and Engineering of Advanced Manufacturing. Appointments will be made in one of the departments of the School of Engineering. These positions will leverage significant campus resources in the area of Additive Manufacturing (<http://manufacturing.uci.edu>) and the world-class infrastructure in Materials Characterization (<http://imri.uci.edu>). The research expertise and interests of the candidates should align with at least one of the following areas: (1) Experimental Materials Science of Manufacturing Processes; (2) Design for manufacturing; (3) Artificial Intelligence for manufacturing; (4) Control of

advanced manufacturing processes; (5) Design and fabrication of novel manufacturing processes and systems.

Applications must be received by January 10, 2018 to receive full consideration. All positions will remain open until filled. More information about this search and application instructions are available at <https://recruit.ap.uci.edu/apply/JPF05053>

University of California, Irvine

Assistant Professor Position (Tenure Track) in Computing Systems and Security

The Electrical Engineering and Computer Science Department at the University of California, Irvine seeks applications for a faculty position at the Assistant Professor level (Tenure Track) in the general area of computing system security and privacy.

The area of expertise of the ideal candidate shall include but is not limited to: (i) system security including software, hardware, and computer architecture security; (ii) specification, design, validation, and verification of

security including Internet of Things (IoT); (iii) intrusion detection and defense; (iv) blockchain security; (v) intersection of security/privacy, and big data/machine learning/ artificial intelligence

Applicants are expected to have a doctoral degree, at the time of hire, in Electrical Engineering, Computer Science or related field from an accredited university. Successful candidates will be innovative leaders that can develop a vigorous externally funded research program, maintain a strong publication record, advise students, and provide outstanding teaching at the undergraduate and graduate levels.

Applications should include a cover letter, a statement of research and teaching interests, a curriculum vitae, list of publications, up to three key publications, a statement describing commitment to diversity, and the names and contact information of at least three to five references. References will not be contacted until later stages of consideration, in consultation with the candidate.

Applications should be submitted electronically. Instructions may be found at <https://recruit.ap.uci.edu/apply/JPF04983>. Screening will begin immediately upon receipt of a completed application. Applications will be accepted until the position is filled, although maximum consideration will be given to applications received by January 15, 2019.

The University of California, Irvine is part of the premier public university system in the world. UCI is a member of the

Professional Opportunities

Association of American Universities (AAU), is ranked as a top ten public university by U.S. News and World Report, and was identified by the New York Times as No. 1 among U.S. universities that do the most for low-income students. UCI is located in Orange County, 4 miles from the Pacific Ocean and 45 miles south of Los Angeles. Irvine is one of the safest communities in the U.S. and offers a very pleasant year-round climate, numerous recreational and cultural opportunities, and one of the highest-ranked public-school systems in the nation.

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

Information about the department available at: <http://engineering.uci.edu/dept/eecs>

University of California, Irvine

Assistant Professor Position (Tenure Track) in Advanced Circuits and Devices

The Department of Electrical Engineering and Computer Science at the University of California, Irvine invites applications for a faculty position at the level of Assistant Professor (Tenure Track) in the area of circuits and devices: terahertz and millimeter-wave.

Areas of expertise include but not limited to advanced circuits design and devices for terahertz and millimeter-wave applications such as high-speed communications (e.g., 6G and beyond), spectroscopy, imaging and generation/sensing.

Applicants are expected to have a doctoral degree, at the time of hire, in Electrical Engineering, Computer Science or related field from an accredited university. Successful candidates will be innovative leaders that can develop a vigorous externally funded research program, maintain a strong publication record, advise students, and provide outstanding teaching at the undergraduate and graduate levels.

Applications should include a cover letter, a statement of research and teaching interests, a curriculum vitae, list of publications, up to three key publications, a statement describing commitment to diversity, and the names and contact information of at least three to five references. References will not be contacted until later stages of consideration, in consultation with the candidate.

Applications should be submitted electronically. Instructions may be found at <https://recruit.ap.uci.edu/apply/JPF4986>. Screening will begin immediately upon receipt of a completed application. Applications will be accepted until the position is filled, although maximum consideration will be given to applications received by January 15, 2019.

The University of California, Irvine is part of the premier public university

system in the world. UCI is a member of the Association of American Universities (AAU), is ranked as a top ten public university by U.S. News and World Report, and was identified by the New York Times as No. 1 among U.S. universities that do the most for low-income students. UCI is located in Orange County, 4 miles from the Pacific Ocean and 45 miles south of Los Angeles. Irvine is one of the safest communities in the U.S. and offers a very pleasant year-round climate, numerous recreational and cultural opportunities, and one of the highest-ranked public-school systems in the nation.

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Information about the department available at: <http://engineering.uci.edu/dept/eecs>

University of California, Merced

FACULTY POSITION - ASSISTANT TEACHING PROFESSOR

The Department of Bioengineering in the School of Engineering at the University of California Merced invites applications for a qualified Assistant Teaching Professor

to coordinate and teach Computing for Bioengineers, Signals and Systems for Bioengineers, Biocircuit Theory, Bioelectronics beginning in the 2019-2020 academic year. Candidates are expected to have a Ph.D. degree in Electrical Engineering, Bioengineering or related area by the start date.

Details and application information can be found at <https://aprecruit.ucmerced.edu/apply/JPF00733>. Full consideration will be given to applications received by December 15, 2018. Applications will continue to be received until the positions are filled. For inquiries and questions, please contact Professor Ariel Escobar at aescobarchair@ucmerced.edu. EEO/AA employer.

University of California, Riverside

Lecturer in Computer Science and Engineering

The Department of Computer Science & Engineering at the University of California, Riverside has need for part-time or full-time Lecturers for Academic Year 2018/2019 to teach courses in the following areas: Introductory Computer Science, Data Structures, Design and Analysis of Algorithms, Software Engineering, Computer Architecture, Compilers, Computer Graphics, and other.

Qualifications include a minimum of a Master's Degree in Computer Science or a related field, and prior teaching experience is required.

The annual starting for lecturers is \$66,691 at 100% time for the year. Appointment for a Fall quarter begins October 1, 2018 and ends December 31, 2018, with service period for Fall being September 24, 2018 through December 14, 2018. Appointment for Winter quarter begins January 1, 2019 and ends March 31, 2019; with service period being January 2, 2019 through March 22, 2019. Appointment for Spring quarter begins April 1, 2019 and ends June 30, 2019; with service period for spring quarter being March 27, 2019 and ends June 14, 2019.

Applications for Fall 2018 are due August 6, 2018, and applications for Winter and Spring 2019 are due October 31, 2018. Applications will continue to be received until the positions are filled.

Interested individuals should apply by registering via <https://aprecruit.ucr.edu/apply/JPF00946>. Application requires an updated C.V, Cover Letter, Statement of Teaching, Diversity Statement and Teaching evaluations or other evidence of teaching as well as 3 letters of recommendation. UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

Candidates must have legal authorization to work in the U.S. 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, age, disability, protected veteran status, or any other characteristic protected by law.

University of California, Riverside

FACULTY POSITION for Associate/Full Professor in Computer Science and Engineering

The Bourns College of Engineering at the University of California, Riverside (UCR) invites applications for Associate/Full Professor faculty positions.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input. Incumbents are expected to initiate and sustain strong sponsored research and graduate training programs.

Appointments are expected to begin July 1, 2019. Salary will be commensurate with education and experience. Applicants must have met the requirements for the PhD by time of appointment; have college level teaching experience with a minimum one-year teaching experience at the undergraduate or graduate level.

Review of applications will begin January 1, 2019 and will continue until the position is filled. To apply for the Assistant Professor level: <https://aprecruit.ucr.edu/apply/JPF00981>. Applications must be submitted online.

Applications will continue to be received until the positions are filled. For more information regarding the specific areas of interest and application procedures, please visit <http://www.engr.ucr.edu/>. For inquiries and questions please refer to the contact email address under the specific recruitment on the online applicant site <https://aprecruit.ucr.edu/>.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity/Affirmative Action/Disability/Veterans Employer” or “EEO/AA/Disability/Vets Employer

University of California, Riverside

FACULTY POSITION for Assistant Professor in Computer Science and Engineering

The Bourns College of Engineering at the University of California, Riverside (UCR) invites applications for Assistant Professor (Tenure-track) faculty positions.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input. Incumbents are expected to initiate and sustain strong sponsored research and graduate training programs.

Appointments are expected to begin July 1, 2019. Salary will be commensurate with education and experience. Applicants must be all but dissertation or have met the requirements for the PhD by time of appointment; have college level teaching experience with a minimum one-year teaching experience at the undergraduate or graduate level.

Review of applications will begin January 1, 2019 and will continue until the position is filled. To apply for the Assistant Professor level: <https://aprecruit.ucr.edu/apply/JPF00980>. Applications must be submitted online.

Applications will continue to be received until the positions are filled. For more information regarding the specific areas of interest and application procedures, please visit <http://www.engr.ucr.edu/>. For inquiries and questions please refer to the contact email address under the specific recruitment on the online applicant site <https://aprecruit.ucr.edu/>.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

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University of California, San Diego

Assistant Professor in CSE

The UCSD Department of Computer Science and Engineering (CSE) invites applications for multiple tenure-track faculty positions at the Assistant Professor rank. The department is looking for exceptional candidates in all areas of Computer Science and Engineering.

We are looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and will be required to teach university students. We are particularly seeking faculty passionate about working with graduate students and training the next generation of researchers. A Ph.D. or advancement to candidacy in Computer Science & Engineering or related disciplines is required at the time of application. Salary and rank will be commensurate with qualifications in conformance with University of California policies.

The CSE Department is committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, the preferred candidates for any position will have potential or demonstrated contributions to a climate that supports equity, inclusion, and diversity.

CSE is home to over 50 faculty and 500 graduate students who span a range of research areas in computer science, computer engineering and bioinformatics. In addition, the department works closely with the Center for Networked Systems (CNS), the California Institute for Telecommunications and Information Technology (CallT2), the San Diego Supercomputer Center

(SDSC), and the Center for Wireless Communications (CWC), which provide unique opportunities and resources. More information can be found at <http://www.cse.ucsd.edu>.

We encourage candidates to send applications as soon as possible. Applications received by January 15, 2019 will be given full consideration. However, positions remain open until filled.

To apply, submit the materials described below at the website: <https://apol-recruit.ucsd.edu/apply/JPF01943>

Please submit a:

- Cover letter
- Curriculum vita
- Research and teaching statements
- Contact information for 3 to 5 references to provide letters (the names/addresses, including email address)
- A separate statement describing your past efforts and future plans to promote diversity and inclusion. See <http://facultydiversity.ucsd.edu/c2d/index.html> for more information. Examples of contributions to diversity include, but are not limited to, developing strategies for the educational or professional advancement of students from underrepresented groups; efforts to advance equitable access and diversity in education; and activities such as recruitment, retention, and mentoring or advising of underrepresented students or new faculty. For additional information regarding contributions to diversity and how they are weighted by the hiring committee, please

visit http://soeadm.ucsd.edu/ppi/academic_personnel/diversity/docs/C2D_Expectations.pdf

For applicants with interest in spousal/partner employment, please see <https://aps.ucsd.edu/services/pop/index.html> for the UCSD Partner Opportunities Program.

UCSD is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. Women and minority applicants, veterans and persons with disabilities are strongly encouraged to apply (see <http://diversity.ucsd.edu>).

University of California, Santa Barbara

Two Tenure-Track Assistant Professor Positions in Computer Engineering

The Electrical and Computer Engineering Department at UCSB invites applications for two tenure-track, assistant professor positions in the field of Computer Engineering with an effective appointment date of July 1, 2019.

Please visit <https://recruit.ap.ucsb.edu/apply/JPF01380>

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



Computational Media: Human Computer Interaction Associate Professor (open until filled, initial review 1/03/19)

The Department of Computational Media <https://www.soec.ucsc.edu/departments/computational-media> at the University of California, Santa Cruz invites applications for a tenured Associate Professor in Human Computer Interaction (HCI). We seek outstanding applicants who have demonstrated research and teaching expertise in scientific, technical or design aspects of HCI, considered broadly, including user experience, human-centered design, social computing, computer-supported cooperative work, social media, collective intelligence, interaction design, and/or the design and evaluation of wearable, mobile, robotic or ubiquitous systems.

The successful candidate is expected to continue their established 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 be able to work with students, faculty and staff from a wide range of social and cultural backgrounds. The successful candidate is expected to be appointed as the inaugural Vice Chair of Computational Media for the Human Computer Interaction MS program, and in that role will direct and lead the program. The Vice Chair will teach in the program, work as a bridge between the substantial human computer interaction research at UC Santa Cruz and this professional program, be a liaison between the Human Computer Interaction MS program and the Games and Playable Media MS and Serious Games MS programs, and serve as the program's representative to the Academic Senate and the central administration.

We welcome candidates who understand the barriers facing women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

LINK TO THE FULL FLIER:

<https://organization.soec.ucsc.edu/sites/default/files/inline-files/JPF00664-19.pdf>

ACADEMIC TITLE

Associate Professor

SALARY

Commensurate with qualifications and experience; academic year (9-month basis).

BASIC QUALIFICATIONS

A Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media, Psychology, or other relevant field; demonstrated record of research; demonstrated experience in university teaching at the graduate and undergraduate levels; a demonstrated record of extramural funding; and a demonstrated record of University and public service.

POSITION AVAILABLE

July 1, 2019 (with academic year beginning September 2019), contingent upon final 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

<http://apptrk.com/1318882>

Please refer to Position # JPF00664-19 in all correspondence.

Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum vitae
- Statement addressing contributions to diversity through research, teaching, and/or service (required). Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>.
- Statement of research plans
- Statement of teaching interests and experience
- 3-4 selected publications
- 3 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 Thursday, January 3, 2019. Applications received after this date will be considered only if the position has not been filled.



Professional Opportunities



UNIVERSITY OF CALIFORNIA
SANTA CRUZ



Ongoing Lecturer Pool

The Department of Computer Science and Engineering [<https://www.soe.ucsc.edu/departments/computer-science-and-engineering>] at the University of California, Santa Cruz (UCSC) invites applications for an ongoing pool of full-time and part-time Lecturers to teach courses in computer science/engineering and technology management. Computer science/engineering course topics include, but are not limited to, all areas of computer science and engineering: algorithms, analysis of algorithms, animation & visualization, architecture, artificial intelligence, assistive technology, computer literacy, computer programming, computer system design, database systems, data structures, digital design, embedded systems, graphics, machine learning, mobile and cloud computing, networks, security, sensor technology, and software engineering. Technology management course topics include, but are not limited to, knowledge management, information retrieval (or data mining), information technology systems design, operations research, entrepreneurship, services engineering, and product development. Outstanding candidates with experience to teach courses in one or more of the above areas are encouraged to apply. The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their teaching and other assigned duties. Appointments are temporary positions with end dates and generally made one quarter at a time, based on the changing curricular needs of the department.

ACADEMIC TITLE

Lecturer

SALARY

Commensurate with qualifications and experience and the particular courses the Lecturer is appointed to teach. Compensation for Summer Session courses may vary from courses taught during the academic year.

BASIC QUALIFICATIONS

- M.B.A., M.S. Degree (or equivalent foreign degree) in Computer Engineering, Computer Science, Economics, Electrical Engineering, Industrial and Systems Engineering, Management, Operations Research, Statistics, or closely related or relevant field at the time of application.
- Teaching experience demonstrated by college level teaching experience, TA experience, research presentations, and/or professional development training seminars.

POSITION AVAILABLE

Appointments are contingent on the hiring unit's instructional need and the availability of funding. Appointments are typically made during one or more quarters of the regular academic year (fall, winter, and spring quarters). Appointments may also be made during Summer Session.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system. All documents and materials must be submitted as PDFs.

APPLY AT <http://apptrk.com/1346947>

Please refer to Position # JPF00626-19P in all correspondence.

DOCUMENTS/MATERIALS

- Letter of application that briefly summarizes your qualifications and interest in the position (required)
- Curriculum vitae (required)
- Teaching statement that clearly outlines your teaching experience and teaching interests (required)
- Statement that addresses past or potential contributions to diversity through teaching (required) Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>
- Up to three sets of teaching evaluations (optional)
- Up to three samples of course materials (optional)

REFERENCE REQUIREMENT

Applications must include three confidential letters of recommendation*. 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

Applications for this recruitment will be accepted through June 1, 2020. This recruitment is valid for initial appointments (i.e., not reappointments) that occur during the period of winter quarter 2019 through spring quarter 2021. Initial appointments made after this period must be made through other recruitments.

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>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at <mailto:apo@ucsc.edu> (831) 459-4300.



UNIVERSITY OF CALIFORNIA
SANTA CRUZ



Computational Media: Assistant Teaching Professor: Human Computer Interaction (Open Until Filled; Initial Review 01/30/19)

The Department of Computational Media <https://www.so.e.ucsc.edu/departments/computational-media> at the University of California, Santa Cruz invites applications for a tenure track (Assistant Teaching Professor) in Human Computer Interaction (HCI). The Assistant Teaching Professor title confers the rights and responsibilities of membership in the Academic Senate and has the payroll title of "Lecturer with Potential for Security of Employment" (LPSOE). An LPSOE is eligible for promotion to "Security of Employment," which is analogous to tenure. We seek outstanding applicants who have demonstrated record of teaching and professional and/or scholarly achievement and activity in scientific, technical or design aspects of HCI, considered broadly, including user experience, human-centered design, social computing, computer-supported cooperative work, social media, collective intelligence, interaction design, and/or the design and evaluation of wearable, mobile, robotic or ubiquitous systems. The successful candidate is expected to develop and teach courses within the graduate and undergraduate curriculum, advise professional MS students on their projects and career aspirations, maintain an active profile of professional and/or scholarly achievement and activity in the discipline of HCI, especially as they relate to instruction and pedagogy, perform university, public, and professional service, and be able to work with students, faculty, and staff from a wide range of social and cultural backgrounds. This position is one of six faculty associated with a proposed Professional MS program in HCI (2 faculty) and the existing Professional MS programs (4 faculty) in (a) Games and Playable Media and (b) Serious Games. These programs are located in the UCSC Silicon Valley Campus in Santa Clara, California, where the majority of teaching and student mentoring will take place. The primary office for this position is located in Santa Clara, due to the expectation of teaching and mentoring students in this location. Space for PhD students for this position is also located in Santa Clara. This position is expected to spend multiple days per week in Santa Clara, and is also expected to spend on average one day per week on the Santa Cruz campus (more during Santa Cruz teaching quarters). The ability for on-demand transportation between Santa Clara and Santa Cruz with or without accommodations is essential. Teaching duties will typically involve teaching five graduate classes each year in Santa Clara and one undergraduate class each year in Santa Cruz.

LINK TO THE FULL FLIER: [https://organization.so.e.ucsc.edu/sites/default/files/inline-files/HCI Assistant Teaching Professor JPF00678-19.pdf](https://organization.so.e.ucsc.edu/sites/default/files/inline-files/HCI%20Assistant%20Teaching%20Professor%20JPF00678-19.pdf)

ACADEMIC TITLE

Lecturer with Potential for Security of Employment (LPSOE)

SALARY

Commensurate with qualifications and experience; academic year (9-month basis).

BASIC QUALIFICATIONS

S./B.A./B.F.A., or equivalent foreign degree at time of application, and ten years of industry experience relevant to HCI; or M.S./M.A./M.F.A., or equivalent foreign degree at time of application, and five years of industry experience relevant to HCI; or a Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computational Media or other relevant field, expected to be completed by June 30, 2019; demonstrated record of teaching experience and professional and/or scholarly achievement and activity.

POSITION AVAILABLE

July 1, 2019 (with academic year beginning September 2019), contingent upon final budgetary approval. All Ph.D. requirements must be completed by June 30, 2020 for employment beyond that date.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT <http://apptrkr.com/1345962>

Please refer to Position # JPF00678-19 in all correspondence.

Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum vitae
- Statement addressing contributions to diversity through professional and/or scholarly achievement, teaching, and/or service (required). Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>.
- A minimum of 3 and a maximum of 5 selected works that document professional and/or scholarly achievement and activity, including creative activity, especially as they relate to instruction and pedagogy
- Statement of teaching interests and experience
- 3 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 30, 2019. Applications received after this date will be considered only if the position has not been filled.

University of Central Asia

Lecturer/Asst. Professor/Associate Professor/Professor in Computer Science

The University of Central Asia seeks to fill several full-time positions in the Computer Science programme at UCA's campus in Naryn, Kyrgyz Republic. In your role as faculty member, you will be contributing to the development and implementation of a new Computer Science curriculum at the Bachelor Level, that has been designed in partnership with the University of Toronto in Canada. The successful candidate will have the opportunity to continue their research and develop new research for UCA in Central Asia, actively creating pathways to engage students in the research programme. Applicants should thus demonstrate research excellence and a commitment to establishing foundational knowledge for students new to the field.

Deadline: January 15th 2019
(open until fill)

More information at <https://www.ucentralasia.org/About/CurrentVacancies#Lecturer/Asst.%20Professor/Associate%20Professor/Professor%20in%20Computer%20Science>

How to Apply: Please send us an up-to-date resume including list of published work and teaching evaluations (if applicable). List of at least three references who may attest to your teaching/research experience is also required. Kindly email resume with a cover letter to hr.recruitment@ucentralasia.org.

University of Chicago Urban Labs

Data Science Post-Doctoral Research Fellow

The University of Chicago Crime Lab is a faculty-driven research center that tries to improve social conditions in American cities by partnering closely with government agencies to carry out the highest-quality scientific studies. We are seeking a full-time one- or two-year data science postdoctoral research fellow to contribute scientific and intellectual leadership to our portfolio of projects applying machine learning to public policy. The Postdocs will carry out self-directed research and contribute to the intellectual community of the Crime Lab by, for example, interacting with research staff and senior faculty members. There may also be possibilities for postdoctoral fellows to take on leadership roles for research projects with government agency partners. This position can be based in either Chicago or New York City, and applicants must have (or be close to receiving) a Ph.D. in computer science, statistics, economics, or other related field with substantial research experience.

For more information and to apply [click here](#).

University of Chicago

Lecturers in Computational Social Science

The Division of Social Sciences at the University of Chicago invites applications for a position as Lecturer

in Computational Social Science (macss.uchicago.edu). This is a full-time, career-track teaching position beginning in the 2019-20 academic year. The initial two-year appointment is renewable with opportunity for promotion. Salary and benefits are competitive with tenure-track positions for computational researchers. The Lecturer is responsible for teaching in the MA program in Computational Social Science (MACSS), providing academic and career guidance to students, and contributing to the academic administration of the program.

Requirements: PhD in sociology, economics, political science, psychology, data science, computer science, or a related discipline; experience conducting social scientific research using machine learning or computational methods; programming experience using R and/or Python. Industry experience is also valued. Lecturers must have the PhD in hand by September 1, 2019.

The Lecturer will teach five graduate courses per year in the MACSS curriculum. At least three will cover important computational methods or questions of research design. The possibilities include a graduate introduction to social scientific inquiry; digital surveys and experiments, including A/B testing; machine learning and statistical modeling; neural networks and deep learning; Bayesian statistical inference; large-scale data storage and processing such as Spark and Hadoop; or research ethics and digital privacy. The successful applicant will also design and teach courses in their discipline or

substantive area of expertise, tailored to the interests of master's and doctoral students in the Division of Social Sciences.

In addition to teaching, the Lecturer will advise master's students; evaluate occasional master's theses; hire and manage teaching assistants; participate in program admissions, staff hiring, and student recruitment; help train doctoral-student Preceptors; attend the Computational Social Science Workshop; and contribute to the intellectual life and administrative needs of the master's program. The Lecturer position includes support for professional development, and the Lecturer will participate in a dynamic community of social science researchers.

Applicants must apply on the University of Chicago's Academic Career Opportunities website at <https://tinyurl.com/y9ovt1jm>. The following materials must be submitted: 1) a cover letter, outlining the applicant's prior computational training, prior teaching and/or mentoring experience, and suggested course offerings in our MA program; 2) a curriculum vitae; 3) an article-length writing sample, applying a computational research design; 4) at least one course syllabus, from prior teaching or with an eye to future offerings, 5) course evaluations or other evidence of past excellence in teaching and/or mentoring; and 6) three letters of reference.

We will begin reviewing applications January 2 and will continue until the positions are filled. Later applicants are welcome to contact our Managing

Director, Chad Cyrenne (cmcyrenn@uchicago.edu), for updates on the status of the search. This position will be part of the Service Employees International Union.

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 at http://www.uchicago.edu/about/non_discrimination_statement/. Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email ACOppAdministrator@uchicago.edu with their request.

University of Chicago

Senior Lecturers in Computational Social Science

The Division of Social Sciences at the University of Chicago invites applications for a position as Senior Lecturer in Computational Social Science (macss.uchicago.edu). The Senior Lecturer is responsible for teaching in the MA program in Computational Social Science (MACSS) and contributing to curricular design, program development, and student support.

This is a full-time, career-track position beginning in the 2019-20 academic year. The initial three-year appointment is renewable contingent upon satisfactory performance review. Salary and benefits are fully competitive with tenure-track positions for computational social scientists.

Requirements: PhD in sociology, economics, political science, psychology, data science, computer science, or a related discipline; experience conducting social scientific research using machine learning or computational methods; programming experience using R and/or Python. Industry experience is also valued. Senior Lecturers must have the PhD in hand by September 1, 2019. Demonstrated record of outstanding effectiveness as a teacher is required.

The Senior Lecturer will teach five graduate courses per year in the MACSS curriculum. At least three will cover important computational methods or questions of research design. The possibilities include a graduate introduction to social scientific inquiry; digital surveys and experiments, including A/B testing; machine learning and statistical modeling; neural networks and deep learning; Bayesian statistical inference; large-scale data storage and processing such as Spark and Hadoop; or research ethics and digital privacy. The successful applicant will also design and teach courses in their discipline or substantive area of expertise, tailored to the interests of master's and doctoral students in the Division of Social Sciences.

In addition to teaching, the Senior Lecturer will work collaboratively with members of the Faculty to refine the curricular design and requirements of the master's program; lead course development for our core sequence Perspectives in Computational Analysis; help develop relationships with other computational centers on campus and in industry; participate in program admissions, staff hiring, and student recruitment; advise master's students; evaluate occasional master's theses; hire and manage teaching assistants; help train doctoral-student Preceptors; participate in the Computational Social Science Workshop; and contribute to the intellectual life and administrative needs of the master's program.

The Senior Lecturer position includes support for professional development, and opportunities to participate in the intellectual life of the Division. Those opportunities include Workshops in the Department of Economics, the Booth School of Business, Sociology, Political Science, Psychology, the Law School, the Harris School of Public Policy, Computer Science, the Becker Friedman Institute, the Mansueto Institute for Urban Innovation, and the Toyota Technological Institute at Chicago.

Applicants must apply on the University of Chicago's Academic Career Opportunities website at <https://tinyurl.com/yclwtxuv>. The following materials must be submitted: 1) a cover letter, outlining the applicant's prior computational training, prior teaching and/or mentoring

experience, and suggested course offerings in our MA program; 2) a curriculum vitae; 3) an article-length writing sample, applying a computational research design; 4) at least one course syllabus, from prior teaching or with an eye to future offerings, 5) course evaluations or other evidence of past excellence in teaching and/or mentoring; and 6) three letters of reference.

We will begin reviewing applications January 2 and will continue until the positions are filled. Later applicants are welcome to contact our Managing Director, Chad Cyrenne (cmcyrenn@uchicago.edu), for updates on the status of the search. First interviews will be conducted by video conference.

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 at http://www.uchicago.edu/about/non_discrimination_statement/. Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email ACOppAdministrator@uchicago.edu with their request.

University of Cincinnati

Assistant Professor, School of Information Technology

The School of Information Technology (SoIT) at the University of Cincinnati seeks to hire two tenure-track Assistant Professors in areas related to Information Technology including Software Applications, IT Infrastructure, Game Development, Cybersecurity, and Applied Machine Learning, to start in August 2019. Review of the applications will start as soon as applicants apply and continue until the positions are filled. Applicants should submit a Cover letter, a full curriculum vitae, a statement of teaching philosophy, a statement of research agenda, a list of at least three references, and a self-reflection video on the School's strategic plan, CREATE (<http://cech.uc.edu/it/it2019>). The video should be no more than five minutes. Applicants should include the URL to the video in their cover letter.

The University of Cincinnati is a research one University that was established in 1819 and is home to more than 45,000 students. UC's campus was listed in Forbes magazine as being one of the world's most beautiful campuses. The University recently set its strategic direction as leading urban public universities into a new era of impact. Information about the strategic direction can be found at <http://www.uc.edu/president/priorities/strategic-direction.html>.

The School of Information Technology currently confers both an undergraduate

degree in Information Technology (BSIT) and a Master of Science in Information Technology (MSIT), which cover the areas of Networking/Systems, Software Application Development, Cybersecurity, Game Development & Simulation, and Database Management. A Ph.D. program has been recommended to the Chancellor of Higher Education for approval and is expected to start in the Fall.

Furthermore, the School confers a minor in Information Technology and several certificates. There are over 900 students in the School and 17 full-time faculty members. The BSIT degree is a five-year co-op degree and is one of the first 10 in the nation to receive ABET accreditation.

SoIT is a vibrant unit, in an interdisciplinary college, which empowers individuals to become passionate, solution-minded Information Technology professionals by fostering: continuous innovation, research, leadership development, interdisciplinary problem solving, and real-world experience. The SoIT is a diverse, interdisciplinary, team-oriented, dynamic and entrepreneurial environment. More information about the School can be found at <http://cech.uc.edu/it>.

Position Minimum Requirements:

An earned Ph.D. in Information Technology, Information Studies, or a related applied computing discipline is required prior to the effective date of appointment (ABD candidates will be considered; doctorate degree is required prior to effective date of appointment).

All faculty positions require teaching, research and service responsibilities. Candidates should have prior teaching experience in Information Technology, Information Studies, or a related applied computing discipline at the college level, which could have been as a teaching assistant, adjunct, or full-time faculty. Candidates should have research experience in evidence-based, secure, and human-centered computing. Finally, service responsibilities to the School, College, University and/or the community.

Please apply online at: [Req 34753](#)

The University of Cincinnati is an Affirmative Action / Equal Opportunity Employer / M / F / Veteran / Disabled.

University of Copenhagen

Postdoctoral Fellowships in Algorithms

The Algorithms and Complexity Section at DIKU is headed by Professor Mikkel Thorup. The group is prolific at the topmost conferences like STOC, FOCS, and SODA (we had 10 papers accepted for SODA'18 and Thorup is PC chair for FOCS'18). Adding to the excitement, we have the center Basic Algorithms Research Copenhagen (BARC) which also involves the IT-University of Copenhagen. The aim is to attract top talent from around the world to an ambitious, creative, collaborative, and fun environment. Using the power of mathematics, we strive to create fundamental breakthroughs in algorithmic thinking. While the focus of BARC is algorithms theory, we do have

a track record of surprising algorithmic discoveries leading to major industrial applications.

Read more about the Department at <http://www.science.ku.dk/english/about-the-faculty/organisation/>.

Please find the full job advertisement at <http://employment.ku.dk/>.

Only electronic applications are accepted.

University of Copenhagen

*Department of Computer
Science Faculty of Science*

The position is open from 1 June 2019 or as soon as possible thereafter.

The Algorithms and Complexity Section at DIKU is headed by Professor Mikkel Thorup. The group is prolific at the topmost conferences like STOC, FOCS, and SODA (we had 10 papers accepted for SODA'18 and Thorup is PC chair for FOCS'18). Adding to the excitement, we have the center Basic Algorithms Research Copenhagen (BARC) which also involves the IT-University of Copenhagen. The aim is to attract top talent from around the world to an ambitious, creative, collaborative, and fun environment. Using the power of mathematics, we strive to create fundamental breakthroughs in algorithmic thinking. While the focus of BARC is algorithms theory, we do have a track record of surprising algorithmic discoveries leading to major industrial applications.

The successful candidate will get a faculty position at DIKU provided that

the criteria for promotion are met, and will participate in BARC, enjoying the inspiration from the many PhD students, Postdocs, and visitors.

Read more about the Department at <http://www.science.ku.dk/english/about-the-faculty/organisation/>.

Please find the full job advertisement at <http://employment.ku.dk/>.

Only electronic applications are accepted.

Application due: 1/1/2019

Apply

University of Copenhagen

*Postdoc position in
Computational Geometry*

The position is open from 1 June 2019 or as soon as possible thereafter.

The project focuses on computational geometry such as visibility problems in the plane (e.g. art gallery problems) and discrete geometric optimization problems in low-dimensional spaces (e.g. clustering problems). Furthermore, problems in discrete geometry can be considered such as questions about geometric intersection graphs.

The Algorithms and Complexity Section at DIKU is headed by Professor Mikkel Thorup. The group is prolific at the topmost conferences like STOC, FOCS, SODA, and SoCG (we had 10 papers accepted for SODA'18 and Thorup is PC chair for FOCS'18). Adding to the excitement, we

have the center Basic Algorithms Research Copenhagen (BARC) which also involves the IT-University of Copenhagen. The aim is to attract top talent from around the world to an ambitious, creative, collaborative, and fun environment. Using the power of mathematics, we strive to create fundamental breakthroughs in algorithmic thinking. While the focus of BARC is algorithms theory, we do have a track record of surprising algorithmic discoveries leading to major industrial applications.

Read more about the Department at <http://www.science.ku.dk/english/about-the-faculty/organisation/>.

Please find the full job advertisement at <https://jobportal.ku.dk/videnskabelige-stillinger/?show=148331>.

University Of Delaware

Tenure-track Assistant Professor Positions

Department of Computer and Information Sciences at University of Delaware

Applications are invited for tenure-track assistant professor positions in the areas of Machine Learning, Cybersecurity, and Human-Computer Interaction. New faculty will have ample opportunities to join many university initiatives, including the Data Science Institute (dsi.udel.edu), Cybersecurity Initiative (csi.udel.edu), and those supported by Delaware Biotechnology Institute (www.dbi.udel.edu), Center for Bioinformatics & Computational Biology (bioinformatics.udel.edu), Institute for Financial Services Analytics (www.lerner.udel.edu/centers/

ifsa), Health Sciences at the STAR campus (chs.udel.edu/star/), and Army CECOM Research Development and Engineering Center at Aberdeen Proving Ground (www.cerdec.army.mil).

Please visit <http://apply.interfolio.com/55470> for a full-length description of the positions and to apply.

Review of applications will begin on November 30, 2018, and will continue until the positions are filled

Equal Employment Opportunity

The University of Delaware is an Equal Opportunity Employer with diversity as one of its core values and, in that spirit, seeks a broad spectrum of candidates including women, those from historically underrepresented groups and people with disabilities. The University's Notice of Non-Discrimination can be viewed at: www.udel.edu/aboutus/legalnotices.html.

University of Denver

Professor (Open Rank), Daniel Felix Ritchie School of Engineering and Computer Science

The Computer Science Department at the University of Denver (DU) is committed to building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We invite applications for multiple tenured/tenure-track positions at all ranks in all areas of computer science as long as the applicant's work is related to our three strategic growth cluster areas: AI & data,

security & privacy, and computer science education. We seek exceptional teacher-scholars committed to developing or enhancing a research portfolio and funded research program, carrying out innovative teaching, and engaging with a vibrant and diverse collaborative community. We are especially interested in people who can also build research partnerships with existing faculty within the School of Engineering and Computer Science (who have strengths in algorithms, biomedical devices and technologies, computer science education, embedded systems and UAVs, game development, mechatronics, programming languages, robotics, security, smart cities, software engineering) as well as across campus (e.g., psychology, business, and law).

DU is the oldest and largest independent university in the Rocky Mountain Region. The Mile-High City (Denver) ranked No. 1 and No. 2 on U.S. News & World Report's list of Best Places to Live in 2016 and 2017. DU is a research university with high research activity and an exceptional commitment to undergraduate students. In fall 2016 our school moved to a new \$63M building housing state-of-the-art research and instructional laboratories, classrooms, and maker-spaces.

Applicants should apply to one of our more general school ads at: <http://ritchieschool.du.edu/ai-faculty-search/> and <https://ritchieschool.du.edu/faculty-search-cyber>. For more information or questions, contact Scott Leutenegger, Chair, Department of Computer Science at CSsearch@cs.du.edu.

The University of Exeter

P64748 Lecturers in Data Science (Education and Research)

College of Engineering, Mathematics & Physical Sciences

Available from July on a permanent basis.

You will contribute to extending the research profile of Data and Computer Science at Exeter, particularly in areas related or complementary to the field such as Machine Learning, Deep Learning, Clustering and Classification, Data Modelling, Computer Vision, Natural Language Processing, to name a few.

The posts will include research, teaching and related administration; collaborate with College and the University as a whole in order to develop and support Data Science research programmes and the College's research programme.

You will have:

- A PhD or equivalent in Data Science, Computer Science, or Mathematics and have an independent, internationally-recognised research programme in a relevant active field of research
- Knowledge of data science programming tools, in particular Python and R
- A strong record in attracting funding for research, or demonstrate potential to attract such funding

Please ensure you read our *Job Description and Person Specification* for full details.

Salary: £35,211 up to £43,267 on Grade F

For further information, contact Prof Ronaldo Menezes R.Menezes@exeter.ac.uk or +44 1392 726991.

What we can offer you:

- A multitude of staff benefits including sector leading *maternity, adoption and shared parental leave* policies

The closing date for applications is 14 January 2019.

The University of Exeter is an equal opportunity employer. We are officially recognised as a Disability Confident employer and an Athena Swan accredited institution. Whilst all applicants will be judged on merit alone, we particularly welcome applications from groups currently underrepresented in the workforce.

University of Hawaii

Tenure-Track Assistant Professor Positions in Data Science, Security, and Cyberinfrastructure

Applications are invited for two tenure track Assistant Professors at the University of Hawaii at Manoa's Information and Computer Sciences (ICS) Department in the areas of Data Science, Security Science, and Cyberinfrastructure. We are especially interested in candidates that tie the requested areas together, for example (1) Data Science and Security, and (2) Cyberinfrastructure for Data Science Applications. Collaboration with Data Science initiatives across campus is encouraged. For candidates combining Data Science and Cyberinfrastructure, experience working on data-intensive

or computational problems using cyberinfrastructure in collaboration with a domain-specific area in the natural sciences, social sciences, engineering, humanities, business or other disciplines is desirable.

Exceptional candidates at higher ranks will also be considered.

A full position announcement with application instructions is available at <https://academicjobsonline.org/ajol/jobs/12654>. Please include a CV, names and contact email of three references, and statements of research and teaching interests and plans. Applications received by December 20, 2018 will receive full consideration.

Contact: Guylaine Poisson,
guylaine@hawaii.edu

University of Illinois at Chicago

College of Liberal Arts and Sciences

Department of Mathematics, Statistics, and Computer Science

Tenure Track - Assistant Professor in Mathematical Computer Science

The Department of Mathematics, Statistics, and Computer Science seeks applicants for an Assistant Professor to join the mathematical computer science group. Applicants working in the areas of theoretical computer science and mathematical computing are especially encouraged. Applicants must have a Ph.D. or equivalent degree

in mathematics, computer science or a related field, an outstanding research record, and evidence of strong teaching ability. The salary is negotiable. The position is effective August 16, 2019. Final authorization of the position is subject to the availability of funding.

The Department of Mathematics, Statistics, and Computer Science has active research programs in a broad spectrum of centrally important areas of pure mathematics, computational and applied mathematics, mathematical computer science, probability and statistics, and mathematics education. See <http://www.math.uic.edu> for more information.

Applicants should provide a vita, research and teaching statements, and at least three (3) letters of recommendation. Applications should be submitted through mathjobs.org. No applications will be accepted by surface mail or e-mail.

To ensure full consideration, application materials must be received by January 14, 2019, but applications will be accepted through February 11, 2019.

The University of Illinois at Chicago is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We strongly encourage applications from women, minorities, individuals with disabilities and covered veterans. The University of Illinois may conduct background checks on all job candidates upon acceptance of a

contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Assistant Professor of Computer Science and Learning Sciences

The University of Illinois at Chicago (UIC) invites applicants for a position at the rank of assistant professor in computer science and learning sciences beginning August 16, 2019. We seek applicants with a record of research and publication at the nexus of research in computer science and the learning sciences (LS). Candidates may hold a doctorate in computer science (or a closely related field), or a doctorate in the learning sciences (or a closely related field) in addition to at least a master's degree in computer science. Successful candidates will have a demonstrated record of research and scholarship focused on supporting learning in formal and/or informal environments. Position responsibilities include programmatic research and scholarship with high potential for extramural funding. Final authorization of the position depends upon availability of state funding.

This unique position offers an opportunity for deep interdisciplinary collaboration in design, research, and teaching, given UIC's LS focus on "Learning in the Disciplines," in which LS faculty hold positions in LS and a disciplinary department. The UIC

Computer Science Department (<http://www.cs.uic.edu>) offers undergraduate and graduate degrees that encompass a broad range of research areas in computer science. The Learning Sciences Research Institute (LSRI: <http://lsri.uic.edu>) is a unit dedicated to the support of multidisciplinary research on learning and teaching in formal and informal contexts, and to the design, development and evaluation of innovative learning environments and educational practices. The institute encompasses 100+ members including faculty, staff, and Learning Sciences doctoral students representing multiple disciplines.

UIC is a major public research university (Carnegie R1) with 2,800 faculty and 31,000 students. UIC is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We strongly encourage applications from women, minorities, individuals with disabilities, and veterans. UIC is committed to supporting the success of dual-career couples. Chicago epitomizes the modern, livable, vibrant, and diverse city. World-class amenities like the lakefront, arts and culture venues, festivals, and two international airports make Chicago a singularly enjoyable place to live, whether in an 88th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts.

For fullest consideration, please complete an on-line application, including the names and email addresses of three references,

and upload a letter of application indicating applicant qualifications, a vita, and two separate one-page statements outlining future plans for teaching and research, respectively. Upload to <https://jobs.uic.edu> by **January 21, 2019**. Review of applications will begin on January 22, 2019, and continue until the position is filled.

UIC may conduct background checks on all job candidates upon acceptance of a contingent offer of employment, which will be performed in compliance with the Fair Credit Reporting Act. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply

University of Illinois at Chicago

Lecturer - Non-Tenure Track - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking multiple full-time teaching faculty members to start Fall 2019. The lecturer teaching track is a long-term career track that starts with the Lecturer position, and offers opportunities for advancement to Senior Lecturer. Candidates would be working alongside 13 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success

in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/systems, web development, data science, software engineering, and machine learning. The standard teaching load is 2-3 undergraduate courses per semester (depending on course enrollment).

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report), a top-10 best value (Wall Street Journal and Times Higher Education) and a hispanic serving institution. UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include an MS in Computer Science or a closely related field or appropriate graduate degrees for specific course material (e.g., computer ethics), and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at <https://jobs.uic.edu/>. In the online application, include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, and a statement describing your past

experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations.. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

For fullest consideration, please apply by December 14, 2018. We will continue to accept and review applications until the positions are filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Open Rank Tenure Track Faculty Positions - Computer Science

Located in the heart of Chicago, the Department of Computer Science at the University of Illinois at Chicago (UIC) invites applications for several full-time tenure-track positions at all ranks. All candidates must have a PhD in Computer Science or a closely related field by the appointment's starting date. Candidates will be expected to demonstrate excellence in research and to teach effectively at the undergraduate and graduate levels.

We seek candidates in all areas of computing, with special but not exclusive interest in fields related to computer vision,

machine learning/data science, human-computer interaction, systems/software engineering, programming languages and compilers, and applied cryptography. Applicants working at the intersection of computer science and related disciplines are also encouraged to apply.

Applications must be submitted at <https://jobs.uic.edu/>, and must include a curriculum vitae, teaching and research statements, and names and addresses of at least three references. Links to a professional website such as Google Scholar or ResearchGate are recommended. Applicants may contact the faculty search committee search@cs.uic.edu for more information. For fullest consideration, applications must be submitted by November 15, 2018. Applications will be accepted until the positions are filled.

The Department of Computer Science at UIC, which will be hiring between 20 and 35 new faculty in the next 6 years, has 36 tenure-system faculty and 4 research faculty with strong and broad research agendas, and 13 clinical/teaching faculty. The department is committed to building a diverse faculty preeminent in its missions of research, teaching, and service to the community. Candidates who have experience engaging with a diverse range of faculty, staff, and students, and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

UIC is a major public research university (Carnegie R1) with about 2,800 faculty and over 31,000 students. UIC is

committed to increasing access to education, employment, programs and services for all. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply. UIC is committed to supporting the success of dual-career couples.

Chicago epitomizes the modern, livable, vibrant, and diverse city. World-class amenities like the lakefront, arts and culture venues, festivals, and two international airports make Chicago a singularly enjoyable place to live. Yet the cost of living, whether in an 88th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is remarkably affordable. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Clinical Track Teaching Faculty - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking multiple full-time teaching faculty members to start Fall 2019. The clinical teaching track is a long-term career track that starts with the Clinical Assistant Professor position, and offers opportunities for advancement to Clinical

Associate Professor and Clinical Full Professor. Applicants should have a PhD in Computer Science, and candidates interested in Computer Science Education research are especially encouraged to apply. Candidates would be working alongside 13 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/ systems, web development, data science, software engineering, and machine learning. The standard teaching load is 2-3 undergraduate courses per semester (depending on course enrollment).

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report), a top-10 best value (Wall Street Journal and Times Higher Education) and a hispanic serving institution. UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include a PhD in Computer Science or a closely related field, and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at <https://jobs.uic.edu/>. In the online application, include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

For fullest consideration, please apply by October 18, 2018. We will continue to accept and review applications until the positions are filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Lecturer - Non-Tenure Track - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking multiple full-time teaching faculty members to start Fall 2019. The lecturer teaching track is a long-term career track that starts with the Lecturer position, and offers opportunities for advancement to Senior Lecturer. Candidates would be working alongside 13 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/ systems, web development, data science, software engineering, and machine learning. The standard teaching load is 2-3 undergraduate courses per semester (depending on course enrollment).

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report), a top-10 best value (Wall Street Journal and Times Higher Education) and a hispanic serving institution. UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and

culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include an MS in Computer Science or a closely related field or appropriate graduate degrees for specific course material (e.g., computer ethics), and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching.

Applications are submitted online at <https://jobs.uic.edu/>. In the online application, include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, and a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

University of Illinois at Urbana-Champaign

College of Engineering: Professor (Open Rank) - Computer Science

The Department of Computer Science at the University of Illinois at Urbana-Champaign invites applications for multiple faculty positions at all levels and in all areas of Computer Science. We

encourage applications in Data, Machine Learning, Quantum, Robotics, Security, and Systems, but applicants from all traditional as well as non-traditional and interdisciplinary areas of Computer Science are urged to apply. These are 100% tenure-track appointments.

Applicants are required to have (or expected to receive) a Ph.D. or equivalent degree in Computer Science or a related field. Additional qualifications include the ability to teach effectively at both the graduate and undergraduate levels and the potential to initiate and carry out independent research. Ideal candidates include those who demonstrate evidence of a commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors. Appointments with tenure and higher ranks are available for persons with commensurate research and teaching experience, including tenured full Professor positions as part of the \$100-million Grainger Engineering Breakthroughs Initiative.

A full description of this position announcement can be found at <http://cs.illinois.edu/faculty-positions>.

Application review and interviewing will begin immediately, and early applications before November 25, 2018 are strongly encouraged. All applications received before January 4, 2019 will receive full consideration. Applications can be submitted by going to <http://jobs.illinois.edu>. For inquiry, please email HR@cs.illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

Illinois is an EEO Employer/Vet/Disabled (www.inclusiveillinois.illinois.edu) and committed to a family-friendly environment (<http://provost.illinois.edu/worklife/index.html>).

University of Illinois at Urbana-Champaign

College of Engineering: Teaching Faculty (Open Rank) - Computer Science

The Department of Computer Science (CS) at the University of Illinois at Urbana-Champaign invites applications for multiple teaching faculty positions at all levels and in all areas of computer science. We seek highly qualified applicants with a strong commitment to excellence in teaching and the ability to teach at all levels. These are 100% non-tenure-track appointments.

Applicants for Instructor positions must have at least a B.S. (M.S. preferred) in CS or a closely related field; applicants for Lecturer or for Teaching Professor positions (all ranks) must have a Ph.D. or equivalent degree in CS or a closely related field. Competitive applicants will show the promise of excellence in classroom teaching and will demonstrate strong CS and teaching knowledge, as well as demonstrate evidence of a commitment to diversity, equity, and inclusion. Many faculty also engage in outreach and service activities.

Teaching Professors are expected to have a deep interest in improving pedagogy beyond the CS department, and may take on leadership roles on campus and contribute to best practices and/or education research in the discipline.

A full description of this position announcement can be found at <http://cs.illinois.edu/faculty-positions>

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

Illinois is an EEO Employer/Vet/Disabled (www.inclusiveillinois.illinois.edu) and committed to a family-friendly environment (<http://provost.illinois.edu/worklife/index.html>).

University of Iowa

Assistant Professor / Instructional Track Positions in Computer Science

The University of Iowa Computer Science Department invites applications for two tenure-track and one instructional-track faculty positions, effective August 2019. Postdoctoral research positions are also available within specific research groups.

We seek two tenure-track assistant professors in systems broadly construed, i.e., operating systems, security, cyber-physical and embedded systems, distributed and high-performance systems, IoT, medical devices, safety-critical systems, data-intensive systems, cloud computing, cyber-human systems, programming language design, compilers, verification for reliability or security, memory safety, concurrency,

program analysis, secure compilation, and the analysis of legacy systems, etc. Candidates must hold a PhD in computer science or closely related discipline upon appointment; research interests must align with these areas. Prior record of publication in leading venues and/or prior teaching experience are desirable. Responsibilities include conducting research in the candidate's area of expertise, teaching undergraduate and graduate courses, supervising graduate student research, and making service contributions to the University and the discipline.

We are also seeking instructional faculty with interests from across the spectrum of computer science and informatics, including data analytics, systems software, machine learning, theory and algorithms, embedded systems, networks and smart sensors, HCI, computer graphics, visualization, etc. Candidates must hold a PhD in computer science or a closely related discipline at time of appointment. Prior teaching experience is desirable. Responsibilities include contributing to the Department's multidimensional educational mission, teaching undergraduate and graduate courses, and making service contributions to the University and the discipline.

Postdoctoral research positions are also available in several of the Department's many externally funded research groups.

For complete information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Tenure- and instructional-track faculty applications received by January 1, 2019 are assured of full consideration;

postdoctoral applicants will be considered on a rolling basis.

The Department of Computer Science and the College of Liberal Arts and Sciences are strongly committed to diversity; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity / affirmative action employer.

University of Manitoba

POST-DOCTORAL FELLOW IN AR/VR

The HCI lab at the University of Manitoba is accepting applications from all candidates with a PhD (or soon to finish) who have a strong background in Human-Computer Interaction, Ubiquitous Computing, Smart-Textiles or Wearable Technologies. The successful candidate will join the University of Manitoba's Human-Computer Interaction lab on a jointly funded project on the theme of "Seamless Interactions for AR/VR environments" with the Mechatronics lab at Simon Fraser University.

The position starts in January/February 2019 and is for 2 years (extendable to 3). Interested applicants should please send CV and 3 sample papers to Pourang Irani (pourang.irani@cs.umanitoba.ca).

University of Maryland Baltimore County

*An Honors University in Maryland
Information Systems Department*

*Tenure Track position in Artificial
Intelligence/Knowledge Management*

The Department of Information Systems (IS) at UMBC invites applications for a tenure-track faculty position at open rank starting August 2019. We are searching for candidates with research interests and experience in Artificial Intelligence (AI) and/or knowledge management (KM). The ideal candidate will have expertise in conducting AI/KM research to improve decision making in application domains such as social computing, health, business analytics, environmental sustainability, and public welfare, that intersect with other current active research areas in the IS department: Data Science, Human Centered Computing, Health Information Technology, and Software Engineering. Strong candidates with research emphases in other areas may also be considered. Candidates must have earned a PhD in Information Systems or a related field no later than August 2019.

Preference will be given to those who can collaborate with current faculty within and across departments at UMBC, fostering interdisciplinary research. Candidates are expected to establish a collaborative, externally funded, and nationally recognized research program as well as contribute to teaching a variety of graduate and undergraduate courses offered by the department effectively, innovating in terms of

pedagogical methods, course content, and curriculum development, and being committed to advising, mentoring and supporting student success. We especially welcome applications from candidates who are willing to contribute to the diversity mission of the university. The IS Department is committed to increasing the diversity of our community. The Department offers undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS program in IS ranked among the top 25 in the nation by US News & World Report. Consistent with UMBC's vision and mission, the Department has excellent teaching facilities, state-of-the-art laboratories, and outstanding technical support. Further details on our research, academic programs, and faculty can be found at <http://www.is.umbc.edu>.

UMBC is a dynamic public research university integrating teaching, research, and service. As an Honors University, the campus offers academically talented students a strong undergraduate foundation that prepares them for graduate and professional study, entry into the workforce, and community service and leadership. UMBC emphasizes science, engineering, information technology, human services, and public policy at the graduate level. UMBC is proud to rank in the top 15% of national universities in the diversity of its student

body and to emphasize an inclusive workplace for faculty and staff. UMBC is a national model for diversity and inclusive excellence in STEM through its Meyerhoff Scholar <http://meyerhoff.umbc.edu/>, the Graduate Fellows programs (<http://meyerhoffgrad.umbc.edu/>), - two of the most innovative and successful programs in promoting diversity and preparing students from underrepresented groups for careers in STEM - and the Center for Women in IT (<http://cwit.umbc.edu>), dedicated to increasing the representation of women in information technology fields. Inclusive excellence is a hallmark of UMBC and a foundational value of our community. We take great pride in the diversity of experience, background, and thought represented by our campus community and the respectful ways in which our students, faculty, and staff engage the civic issues being debated in our country today. Therefore, members of under-represented groups including women, minorities, veterans, and individuals with disabilities are especially encouraged to apply.

UMBC continues to be recognized in U.S. News and World Report's national university rankings, placing eighth in Best Undergraduate Teaching, and ninth in Most Innovative National Universities. Princeton Review features UMBC as one of the nation's top universities, and one of the Colleges that Pay You Back. The Chronicle of Higher Education has listed UMBC in the "honor roll" of "Great Colleges to Work For" for eight consecutive years; it is the only Maryland four-year institution

to be so recognized. Our strategic location in the Baltimore-Washington corridor puts us close to many important federal laboratories, agencies such as NSA, NSF, NIH, and high-tech companies such as Northrop Grumman and Lockheed Martin. UMBC's campus is located on 500 acres just off I-95 between Baltimore and Washington DC, less than 10 minutes from the BWI airport and Amtrak station. The campus includes a center for entrepreneurship, and the bwtech@UMBC research and technology park, which has special programs for startups focused on cybersecurity, clean energy, life sciences, and training. We are surrounded by one of the greatest concentrations of commercial, cultural, and scientific activity in the nation. Located at the head of the Chesapeake Bay, Baltimore has all the advantages of modern, urban living, including professional sports, major art galleries, theaters, and a symphony orchestra. The city's famous Inner Harbor area is an exciting center for entertainment and commerce. The nation's capital, Washington, DC, is a great tourist attraction with its historical monuments and museums. Just ten minutes from downtown Baltimore and 30 minutes from the D.C. Beltway, UMBC offers easy access to the region's resources by car or public transportation.

Electronic submission of application is required at <http://apply.interfolio.com/55824>. All applications must be submitted as PDF files, including 1) a cover letter, 2) a CV, 2) one-page statement of teaching interests, 3) one-page statement of research interests, 4) a statement of

demonstrated commitment to diversity and inclusive excellence, and 5) names and contact information of at least three references. Candidate's experience will be evaluated commensurate with the rank they are applying to. For inquiries, please contact Dr. George Karabatis at (410) 455-3940 or georgek@umbc.edu. Review of applications will begin in November 2018 and will continue until the position is filled, subject to the availability of funds.

UMBC is an Affirmative Action/Equal Opportunity Employer and welcomes applications from minorities, women, veterans, and individuals with disabilities.

University of Maryland Baltimore County (UMBC)

Open Rank Tenure-Track Faculty Position in Human-Centered Computing

The Department of Information Systems at UMBC invites applications for an open rank tenure-track faculty position in the area of human-centered computing starting August 2019. Successful candidates will hold a Ph.D. either in the broader field of human-centered computing or a related discipline by the time of appointment.

Candidates will be expected to establish an externally funded, and nationally recognized research program as well as contribute to teaching a variety of graduate and undergraduate courses offered by the department; innovating in terms of pedagogical methods, course content, and curriculum development. Candidates are also expected to be

committed to advising, mentoring and supporting student success. We encourage applications from individuals who are members of groups that historically have been underrepresented in the professoriate. Candidates should have experience in – or the potential for – building an equitable and diverse scholarly environment in teaching, mentoring, research, life experiences, or service.

The Department of Information Systems is a research-intensive department with thriving graduate and undergraduate programs (<http://is.umbc.edu>). Our faculty are engaged in cutting-edge multidisciplinary research, which attracts major federal, state, and private funding. These include research areas in human-centered computing such as accessibility, affective computing, CSCW, human-information interaction, information visualization, and usable security, which candidates could either complement or extend with their own diverse research interests. Other major strengths in the department include health information technology, data science, software engineering and artificial intelligence. The location of the university strategically positions faculty to examine topics including but not limited to: health, security, social justice, and education. UMBC is within close proximity to NSA, NSF, NIH and other federal entities, highly reputed medical schools (University of Maryland Baltimore, Johns Hopkins University) and the opportunities present in Baltimore City and Washington, DC.

UMBC is a national model for diversity and inclusive excellence in STEM through

its Meyerhoff Scholars program (<http://meyerhoff.umbc.edu/>), Center for Women in Technology Scholars program (<http://cwit.umbc.edu/>), and PROMISE: Maryland's AGEP and LSAMP Bridge to the Doctorate programs to widen access for groups which have been traditionally underrepresented in careers in STEM.

Further details about Human Centered Computing at UMBC are available: <http://hcc.umbc.edu>.

For best consideration, submit materials by November 15, 2018. Position will remain open until filled.

UMBC is an Affirmative Action/Equal Opportunity Employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply. UMBC is the recipient of an NSF ADVANCE Institutional Transformation Award to increase the participation of women in academic careers.

Application Instructions

Application Instructions: to apply for the position, please visit <https://apply.interfolio.com/55820>

Deadline: Full consideration will be given to those applicants who submit all materials by November 15, 2018. A complete submission will consist of:

- Cover letter
- Curriculum Vitae
- Three letters of reference
- Statement of proposed research plan (1-2 pages)

- A personal statement of your demonstrated commitment to diversity and inclusive excellence in higher education and/or plans to make future contributions (1-2 pages)
- Statement of teaching interests and philosophy (1-2 pages)

Questions regarding the position may be addressed to: Dr. Anita Komlodi (komlodi@umbc.edu) and Dr. Ravi Kuber (rkuber@umbc.edu). General inquiries may be addressed to Lina Chung (lchung2@umbc.edu). However all application materials MUST be submitted through Interfolio.

University of Maryland, Baltimore County

Open Rank, Tenured/Tenure-track Positions in Computer Science (CS) and Computer Engineering (CE)

UMBC's Department of Computer Science and Electrical Engineering invites applications for multiple, open rank, tenured/tenure-track positions in Computer Science (CS) and Computer Engineering (CE) to begin in the Fall of 2019. Applicants should have or be completing a Ph.D. in a relevant discipline, have demonstrated the ability to pursue a research program, and have a strong commitment to undergraduate and graduate teaching.

We welcome candidates in all areas of specialization. Some areas of interest for CS applicants include but are not limited to: information assurance and cybersecurity; mobile, wearable, and IoT

systems; big data with an emphasis on machine learning, data science, brain-inspired methods, and high-performance computing; knowledge and database systems; visualization.

Some areas of interest for CE applicants include but are not limited to: hardware focused applicants in Digital, Analog, Mixed-mode VLSI design and test, integrated sensors and processing, SoC, new and emerging design technologies, hardware implementations for neuroscience and health-related wearables, cyber physical systems, hardware security and assurance.

The CSEE department is research-oriented and multi-disciplinary, with programs in Computer Science, Computer Engineering, Electrical Engineering, Data Science, and Cybersecurity. Our faculty (33 tenure-track, 10 teaching and 18 research) enjoy collaboration, working across our specializations as well as with colleagues from other STEM, humanities and the arts departments and external partners. We have more than 2000 undergraduate and 560 M.S. and Ph.D. students in our programs.

UMBC is a dynamic public research university integrating teaching, research and service. The 2018 US News and World Report Best Colleges report placed UMBC 7th in the Most Innovative National Universities category and 13th in Best Undergraduate Teaching, National Universities. Our strategic location in the Baltimore-Washington corridor is close to many federal laboratories and

agencies and high-tech companies, facilitating interactions, collaboration, and opportunities for sabbaticals and visiting appointments.

Applicants should submit a cover letter, statement of teaching and research experience and interests, CV, and three letters of recommendation at <http://apply.interfolio.com/57564>. Candidates who are under consideration for an on-campus interview will be required to submit a commitment to inclusive excellence statement, which can be submitted as part of the initial application.

For full consideration submit application materials by December 15, 2018.

Applications will be accepted until the position is filled. Send questions to jobsTT@csee.umbc.edu and see <http://csee.umbc.edu/jobs> for more information. UMBC is an affirmative action/equal opportunity employer.

University of Maryland, College Park

Open Rank - Department of Computer Science

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill multiple faculty positions, with starting dates on or after July 1, 2019. 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 Programming Languages, Software Engineering, Human-Computer Interaction, Machine Learning, Data Sciences, CyberSecurity, etc. are being sought. Applicants working at the boundary of computer science and related disciplines, including Quantum Computing, Natural Language Processing and Computational Linguistics, Computational Biology, 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.

Please apply online to the following two websites: <https://ejobs.umd.edu> and <https://hiring.cs.umd.edu>. Candidates must apply to **BOTH** websites to receive consideration. The review of applications will begin on December 15, 2018, and applicants are strongly

encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from a minimum of three and a maximum of four references – uploaded by that date for full consideration. Candidates will be prompted when submitting application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 50 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 200 doctoral students drawn from top undergraduate programs nationally and internationally. In 2018 the department is slated to occupy its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Innovation, which is currently under construction. 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: <http://csctr.cs.umd.edu>.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250 acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers.

This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland, College Park

Professor of Theoretical Computer Science

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill an endowed position by Brin Family Foundation, with start dates on or after July 1, 2019. Outstanding midcareer and senior candidates in theoretical computer sciences across all sub-fields

are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates with possible focuses on advancing fundamental understanding and theoretical development related to Quantum Computing, Machine Learning, Data Science, Cybersecurity, Artificial Intelligence, and core areas of computer science are being sought. Applicants working at the boundary of computer science and related disciplines are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply on-line at <https://ejobs.umd.edu/postings/64664> in order to receive consideration. The review of applications

will begin on June 30, 2019, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least three references – uploaded by 6/30/19 for full consideration. Questions can be directed to the faculty recruitment committee at: brinsearch@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 50 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 200 doctoral students drawn from top undergraduate programs nationally and internationally. In 2018 the department is slated to occupy its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Innovation, which is currently under construction. 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: <http://csctr.cs.umd.edu>.

University of Maryland, College Park

Open Rank Faculty - College of Information Studies (Tenure-Track)

A socio-technical approach to cybersecurity recognizes creating resilient information and critical infrastructures

depends on knowledge of human, social, organizational, economic, institutional, and technical factors, as well as the complex interactions among them. Creating, maintaining, operating infrastructural systems that are resilient in the face of threats that include malicious attacks, random vandalism, natural disasters, and information warfare necessarily requires fundamental advances in our understanding of the socio-technical aspects of cybersecurity.

The UMD iSchool invites applications for an open rank tenure-track (Assistant, Associate, or Full Professor) position in socio-technical aspects of cybersecurity. For more information or to apply see: <https://ejobs.umd.edu/postings/65528>

University of Maryland, College Park

Capital One Professorship

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill three endowed professorship funded through a generous gift from Capital One with start dates on or after July 1, 2019. The openings are for Full Professor or Associate Professor with tenure. Successful applicants will also be given joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in Machine Learning, Data Science, and Cybersecurity are being sought. Applicants working at

the boundary of computer science and other disciplines are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply online at <https://ejobs.umd.edu> in order to receive consideration. Search under Faculty for position #123708. The best consideration date for this position is February 1, 2019, but this position will be open until filled. Candidates will be prompted when submitting applications to submit a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least three references. Questions about these positions can be directed to the faculty recruitment committee at: capitaloneresearch@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 50 full-time tenured and tenure-track faculty covering a wide variety of research areas and

over 200 doctoral students drawn from top undergraduate programs nationally and internationally. In spring 2019 the department is slated to occupy its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Innovation. 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: <http://iribe.cs.umd.edu>.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250 acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status,

political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland, College Park

Open Rank Tenure-track or Tenured Professor

Unit: College of Information Studies

Best Consideration Date: 11/27/2018

Position Summary/Purpose of Position:

The College of Information Studies at the University of Maryland, College Park (Maryland's iSchool) and the University of Maryland Institute for Advanced Computer Studies (UMIACS) invite applications for an open rank tenure-track or tenured position with a focus on computational support for information access and analytics. Examples of research topics that are of interest for this position include information retrieval systems, applied machine learning, social network analysis, and algorithmic transparency and accountability; candidates with interests in other related topics are equally encouraged to apply.

College Information:

The University's College of Information Studies is one of the largest and fastest growing Information Schools in the world, with a highly dynamic undergraduate program, recognized

excellence in three Masters programs (in Information Management, Human-Computer Interaction, and Library and Information Science), and a large and diverse doctoral program. The University of Maryland Institute for Advanced Computer Studies is one of the nation's premiere multidisciplinary computational research institutes.

Diversity Statement:

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.

Applications should be submitted electronically via

<https://ejobs.umd.edu/postings/64728>

University of Massachusetts Amherst

IT & NTT Faculty Positions

The College of Information & Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for **multiple tenure-track and non-tenure-track faculty positions** in Computer Science.

Consistently ranked among the top 20 computer science programs in the nation.

CICS faculty provide our students with a strong foundation in theoretical and applied computer sciences, preparing a new generation of innovators and problem-solvers. The College's internationally-recognized faculty are engaged in trailblazing research in all areas of the field and lead multi-disciplinary, collaborative programs with significant societal and scientific impact.

Rank and salary will be highly competitive and commensurate with qualifications and experience. For complete position details, please follow the links below. All candidates must submit an application via the links below in order to be considered. If you wish to be considered for more than one opening, please submit an application for each one.

PT/FT Lecturer/Sr. Lecturer

<http://careers.umass.edu/amherst/en-us/job/494782/ftpt-lecturersenior-lecturer-information-computer-sciences>

Assistant/Associate Professor-Informatics

<http://careers.umass.edu/amherst/en-us/job/495184/assistantassociate-professor-informatics>

**Assistant/Associate
Professor-Data Science**

<http://careers.umass.edu/amherst/en-us/job/495185/assistantassociate-professor-data-science>

Teaching Fellow

<http://careers.umass.edu/amherst/en-us/job/494774/teaching-fellow-lecturer>

**Assistant Professor-Information
& Computer Science**

<http://careers.umass.edu/amherst/en-us/job/495187/assistantassociate-professor-information-computer-science>

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

**University of
Massachusetts Dartmouth**

*Faculty Position in Computer and
Information Science*

*Department of Computer and
Information Science*

The Department of Computer and Information Science (CIS) at the University of Massachusetts Dartmouth invites applications for two tenure-track faculty positions at the assistant professor level beginning in September 2019. The department is particularly interested in candidates with research focus in the areas of network security, cloud

security and cyber security; or software engineering. We expect the successful candidate to establish a strong independent research program while strengthening interdisciplinary collaborations with researchers across campus.

Special Instruction to Applicants:

Qualified applicants are invited to submit electronically a letter of interest, detailed curriculum vitae, concise statements on teaching philosophy and research plans, and contact information for at least three professional references. Employment is contingent upon verification of background, credentials and work authorization.

To apply, go to: <http://careers.umassd.edu/dartmouth/en-us/job/495896/assistant-professorcomputer-and-information-science-security-specializations>

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

More information about the College of Engineering can be found here: <http://www.umassd.edu/engineering/about>.

The University of Massachusetts Dartmouth values excellence, diversity, transparency, student-centeredness, accountability, innovation, engagement, collaboration, collegiality and safety.

UMass Dartmouth is an Affirmative Action, Equal Opportunity, Title IX Employer

University of Memphis

Assistant Professor Tenure Track

The Department of Computer Science at the University of Memphis is seeking candidates for multiple Assistant Professor positions beginning Fall 2019. Exceptionally qualified candidates in all areas of computer science are invited while candidates with core expertise in cyber human systems (including computer vision, speech recognition, computer graphics, and human computer interaction (HCI)) and CS education, are particularly encouraged to apply. Candidates from minority and underrepresented groups are highly encouraged to apply. Successful candidates are expected to develop externally sponsored research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels. Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is highly competitive and dependent upon qualifications.

The Department of Computer Science (www.cs.memphis.edu) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance, and participates in an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department has been ranked 55th among CS departments with federally funded research. The Department regularly engages in large scale multi university collaborations across the nation. For example, CS faculty lead the NIH funded Big Data "Center of Excellence for Mobile

Sensor Data to Knowledge (MD2K)™ and the “Center for Information Assurance (CfIA)”. In addition, CS faculty work closely with multidisciplinary centers at the university such as the “Institute for Intelligent Systems (IIS)”.

Known as America’s distribution hub, Memphis ranked as America’s 6th best city for jobs by Glassdoor in 2017. Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees. Screening of applications begins immediately.

For full consideration, application materials should be received by November 25, 2018. However, applications will be accepted until the search is completed. To apply, please visit <https://workforum.memphis.edu/postings/20504>. Include a cover letter, curriculum vitae, statement of teaching philosophy, research statement, and three letters of recommendation. Direct all inquiries to Corinne O’Connor (cconnor2@memphis.edu). A background check will be required for employment.

The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

University of Memphis-

Assistant Professor Tenure Track - Computer Science, Supported by IIS

The Department of Computer Science at the University of Memphis is seeking candidates for an Assistant

Professor position beginning Fall 2019. The candidate’s research will be jointly supported by the Department of Computer Science and the Institute of Intelligent Systems (IIS). Focus area for this position include Machine Learning, Data Mining, and Big Data. Candidates whose research areas complement the language & discourse or learning focus area of the IIS are particularly encouraged to apply. Candidates from minority and underrepresented groups are highly encouraged to apply. Successful candidates are expected to develop externally sponsored interdisciplinary research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels. Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is highly competitive and dependent upon qualifications. The Department of Computer Science (www.cs.memphis.edu) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance, and participates in an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department has been ranked 55th among CS departments with federally funded research. The Department regularly engages in large-scale multi-university collaborations across the nation. For example, CS faculty lead the NIH-funded Big Data “Center of Excellence for Mobile Sensor Data-to-Knowledge (MD2K)” and the “Center for Information Assurance (CfIA)”. The Institute for Intelligent Systems consists of 54 faculty

members across 14 departments including Communication Sciences and Disorders, Computer Science, Engineering, Education, Linguistics, Philosophy and Psychology. The IIS offers a graduate certificate in Cognitive Science, a minor in Cognitive Science, and is affiliated with BA and MS programs in other departments. The IIS receives \$4-5 million in external awards per year from federal agencies such as NSF, IES, DoD, and NIH. Further information about the Institute for Intelligent Systems can be found at <http://iis.memphis.edu>.

Known as America’s distribution hub, Memphis ranked as America’s 6th best city for jobs by Glassdoor in 2017. Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees. Screening of applications begins immediately. For full consideration, application materials should be received by January 7, 2019. However, applications will be accepted until the search is completed.

To apply, please visit <https://workforum.memphis.edu/postings/20504>. Include a cover letter (please include a reference to this position as “CS-IIS”), curriculum vitae, statement of teaching philosophy, research statement, and three letters of recommendation. Direct all inquiries to Corinne O’Connor (cconnor2@memphis.edu). A background check will be required for employment.

The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

University of Memphis

Department of Computer Science Assistant Professors

The Department of Computer Science at the University of Memphis is seeking candidates for multiple Assistant Professor positions beginning Fall 2019. Exceptionally qualified candidates in all areas of computer science are invited while candidates with core expertise in cyber human systems (including computer vision, speech recognition, computer graphics, and human computer interaction (HCI)) and CS education, are particularly encouraged to apply. Candidates from minority and underrepresented groups are highly encouraged to apply. Successful candidates are expected to develop externally sponsored research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels.

Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is highly competitive and dependent upon qualifications.

The Department of Computer Science (www.cs.memphis.edu) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance, and participates in an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department has been ranked 55th among CS departments with federally funded research. The Department regularly engages in large scale multi university collaborations across the nation. For

example, CS faculty lead the NIH funded Big Data "Center of Excellence for Mobile Sensor Data to Knowledge (MD2K)" and the "Center for Information Assurance (CfIA)". In addition, CS faculty work closely with multidisciplinary centers at the university such as the "Institute for Intelligent Systems (IIS)".

Known as America's distribution hub, Memphis ranked as America's 6th best city for jobs by Glassdoor in 2017. Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees.

Screening of applications begins immediately. For full consideration, application materials should be received by November 25, 2018. However, applications will be accepted until the search is completed.

To apply, please visit [https://workforum.memphis.edu/](https://workforum.memphis.edu). Include a cover letter, curriculum vitae, statement of teaching philosophy, research statement, and three letters of recommendation.

Direct all inquiries to Corinne OConnor (cconnor2@memphis.edu).

A background check will be required for employment. The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

University of Michigan - Dearborn

Assistant Professors in Computer and Information Science

The CIS Department at the University of Michigan - Dearborn invites applications for multiple tenure-track assistant professor positions in all areas of computer science, with special emphasis on software engineering, computer systems (e.g., distributed systems), data science/AI/machine learning, and data management. The expected starting date is September 1, 2019. Although candidates at the Assistant Professor rank are preferred, exceptional candidates may be considered for the rank of Associate Professor depending upon experience and qualifications. We offer competitive salaries and start-up packages.

The CIS Department offers several B.S. and M.S. degrees, and a Ph.D. degree. The current research areas in the department include artificial intelligence, computational game theory, computer graphics, data science, data management, energy-efficient systems, game design, graphical models, machine learning, multimedia, natural language processing, networking, security, service and cloud computing, software engineering, and wearable sensors and health informatics. These areas of research are supported by several established labs and many of these areas are currently funded by federal agencies and industries.

Qualifications:

Qualified candidates must have earned a Ph.D. degree in computer science or a

closely related discipline by September 1, 2019. Candidates will be expected to do scholarly and sponsored research, as well as teaching at both the undergraduate and graduate levels.

Applications:

Applicants should send a letter of intent, indicating which one of the following four areas fits you the best: (1) software engineering; (2) computer systems; (3) data science/AI/machine learning; (4) data management or other areas. You should also submit a curriculum vitae, statements of teaching and research interests, evidence of teaching performance (if any), and a list of three references through Interfolio at: <http://apply.interfolio.com/56046>

Review of applications will begin immediately and continue until suitable candidates are appointed.

The University of Michigan - Dearborn, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University of Michigan is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, national origin, age, marital status, sex, sexual orientation, gender identity, gender expression, disability, religion, height, weight, or veteran status in employment, educational programs and activities, and admissions. Inquiries or complaints may be addressed Office of Institutional Equity, 4901 Evergreen Road, Suite 1020,

Administrative Services Building, Dearborn, Michigan 48128-1491, (313) 593-5190. For other University of Michigan information call 734-764-1817.

University of Missouri-Columbia

Assistant, Associate, Full Professors In Cyber Security & High Assurance Computing

The Department of Electrical Engineering and Computer Science at the University of Missouri seeks applications for five tenure-track/tenured positions at the rank of Assistant, Associate, and Full Professor, starting Fall 2019. These five positions are part of a University of Missouri strategic initiative in Cyber Security and complement recent hiring in that area.

Applicants must have a Ph.D. in Computer Science, Computer Engineering or a closely related field, demonstrated success in research, and a strong commitment to excellence in teaching. For a candidate seeking a position at the level of associate or full professor, a record of attracting external research funding appropriate to their rank is an important factor. The focus of these hires will be in Cyber Security, broadly construed, including formal methods, systems, and theory. We are especially interested in: Hardware and Embedded Systems Security; Secure Software Engineering (including static binary analysis, language-based security, and software verification); Wireless Security;

Cloud Security;
Cyber Physical Systems and Internet of

Applications will be reviewed immediately upon receipt and will continue until the positions are filled.

Application: Applicants should submit a CV, a research plan, a teaching statement and a list of three to five professional references electronically to <https://hrs.missouri.edu/find-a-job/academicrefer> to Job ID 28125. Inquiries can be directed to the search committee at securityhiring@missouri.edu.

The University of Missouri is a Tier I research institution and one of only 60 public and private U.S. universities invited to membership in the prestigious Association of American Universities. Missouri was founded in 1839 in Columbia as the first public university west of the Mississippi River. Today, with an enrollment of more than 35,000 students, 13,000 full-time employees and 300,000 alumni, Mizzou is a \$2.2 billion enterprise and an important investment for the state and nation.

MU specifically invites and encourages applications from qualified women and members of groups underrepresented in science.

Equal Opportunity/Affirmative Action/ADA employer firmly committed to fostering ethnic, racial, and gender diversity in our faculty.

University of Missouri-St. Louis

Faculty Positions in Computer Science

The Department of Mathematics and Computer Science at the University of Missouri-St. Louis invites applications for two tenure-track Assistant Professor positions in Computer Science to begin Fall 2019. One of the positions is in Cybersecurity; qualified candidates in all areas of Computer Science will be considered for the other position. A Ph.D. in computer science or a closely related area is required.

For more details, and application information, please see http://www.umsl.edu/cs/tenure_track_2018.pdf

UMSL is an equal opportunity/access/affirmative action/pro-disabled and veteran employer

University of Nebraska-Lincoln

Assistant Professor in Computer Science and Engineering (Cybersecurity)

The Department of Computer Science and Engineering at the University of Nebraska-Lincoln invites applications for a tenure track Assistant Professor position in the field of Cybersecurity to begin Fall 2019.

Promising candidates with interests in, but not limited to, Computer Security, Network Security, Hardware Security, and Data Privacy are encouraged. Applicants must have a demonstrated potential for outstanding research

and a promise of effective teaching at undergraduate through graduate levels, including the advising of M.S. and Ph.D. students. Applicants should have earned a Ph.D. in computer science, computer engineering or a related field before their start date. Applicants should have demonstrated success in the research area of cybersecurity. Applicants must have excellent communication skills and a strong desire to work in a diverse and collaborative cross-disciplinary environment. Candidates with demonstrated cross-disciplinary research experience and/or existing connections with the national security enterprise are particularly encouraged.

UNL is Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest Research Activity [Carnegie CIHE].

UNL is expanding its national security research and instruction via its extensive collaborations with the nearby US Strategic Command (USSTRATCOM) and Nebraska University's National Strategic Research Institute, one of DoD's University Affiliated Research Centers (UARC). Lincoln is consistently ranked among the nation's top cities for livability and quality of life.

To apply, complete the information form at <http://employment.unl.edu>, requisition F_180181. Attach 1) a single-page cover letter explaining your interest in the position, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research and scholarship, and 5) a list of at least three

references. Statements and papers (#3 and #4) will need to be combined into one document. Review of applications will begin November 15, 2018 and will continue until the position has been filled. More information can also be viewed at: <http://cse.unl.edu/facultysearch>. Direct questions to Professor Byrav Ramamurthy, Search Committee Chair, at byrav@cse.unl.edu.

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 Nebraska-Lincoln

Assistant/Associate/Full Professor in Software Engineering

The Department of Computer Science and Engineering at the University of Nebraska - Lincoln invites applications for two tenured/tenure-track faculty positions at all ranks (Assistant/Associate/Full Professor) to begin Fall 2019 with an endowed chair position for an outstanding senior hire.

We seek faculty colleagues who can establish a strong scholarly research and teaching program in the field of software engineering. In addition to researchers in core software engineering areas, we also are interested in researchers who

are open to bridging software engineering to other research strengths in the department/university.

Applicants for the Assistant Professor rank must have a demonstrated potential for outstanding research and a promise of effective teaching at the undergraduate through graduate levels including the advising of M.S. and Ph.D. students. Applicants for higher rank, in addition to demonstrated track record of outstanding research and effective teaching and mentorship, must have potential or a demonstrated track record of leadership in software engineering. Applicants should have earned a Ph.D. in Computer Science or related field before their start date.

UNL is committed to the continued growth of the CSE Department and will have multiple faculty openings in the coming years.

UNL is Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest Research Activity [Carnegie CIHE]. Lincoln is consistently ranked among the Nation's top cities for livability and quality of life.

To apply, complete the Faculty/ Administration application (Req.#F_180167) at <http://employment.unl.edu> and attach 1) a single-page cover letter explaining your interest in the position, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research and scholarship, and 5) a list of at least three references.

Review of applications will begin on Nov 15, 2018 and will continue until the position has been filled.

Direct questions to Prof. Stephen Reichenbach at reich@cse.unl.edu.

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 Nebraska-Lincoln

Assistant Professor of Practice- Software Engineering/Data Science (Two positions)

The Department of Computer Science and Engineering at the University of Nebraska-Lincoln seeks outstanding applicants for two Assistant Professor of Practice of Computer Science and Engineering positions to begin Summer 2019. One position is focused on Software Engineering, the other is focused on Data Science.

The Software Engineering position requires experience in introductory level teaching in software engineering, computer science, and/or computer engineering. The successful candidate for this position will join the faculty for the new Bachelors of Software Engineering degree at UNL. They will work with existing faculty to deliver, assess and

refine our novel approach to software engineering education.

The Data Science position requires experience in teaching computer science and/or computer engineering. The successful candidate for the Data Science position will work with existing faculty to deliver, assess, and refine courses on algorithms, data modeling, data analytics, applied machine learning, and applied computing, as well as advanced-topic and capstone courses.

The Assistant Professor of Practice is a three-year renewable position, eligible for benefits. Such appointments are intended for instructors who are dedicated to becoming leaders in educational innovation and curriculum development, educational reform, and pedagogy. This is not a tenure-track position, but there is opportunity for promotion and advancement similar to that in a tenure-track position.

Candidates must have a doctorate in software engineering, computer science, computer engineering or a related field. Candidates must have a strong commitment to undergraduate teaching and previous effective teaching experience (as evidenced by evaluations and demonstrated support of academic programs and student success). Candidates for the Software engineering position must also have experience in introductory level teaching in software engineering, computer science, and/or computer engineering. Strong oral presentation and communication skills are required. Candidates for the

Software Engineering position ideally will have experience teaching software engineering courses at the post-secondary level as well as recent relevant industry experience. Candidates for the Data Science position ideally will have experience teaching informatics courses at the postsecondary level as well as recent relevant industry experience.

Applications for Software Engineering must be submitted via <http://employment.unl.edu/postings/61567>.

Applications for Data Science must be submitted via <http://employment.unl.edu/postings/61925>. Complete applications will include a cover letter, CV, teaching statement and a list of three references. Review of application materials will begin January 4, 2019 and continue until the position is filled.

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>.

The University of Nebraska at Omaha

Professor of Electrical and Computer Engineering – Cybersecurity

The University of Nebraska-Lincoln seeks a collaborative faculty member in cyber systems and related fields. Research areas of interest include: cyber

defensive/trustworthy systems, network security, cyber intrusions/detections & forensics, cybersecurity for various embedded systems/infrastructures, and cryptography. This significant investment will increase UNL's capacity and leadership in one of the major challenges of science and engineering for the future. The impetus for creating this position is to expand the department's interdisciplinary research portfolio and strengthen collaboration of the department with the University of Nebraska Medical Center and the Nebraska Strategic Research Institute, which is a University Affiliated Research Center supporting the missions of the US Strategic Command at Offutt AFB at Bellevue, Nebraska.

As part of this initiative, the Department of Electrical & Computer Engineering (<http://ece.unl.edu>) invites applications for a tenure-track faculty position at the Full Professor level that will provide a nucleus for further hiring in this technical area. Candidates are expected to have a Ph.D. or equivalent in electrical engineering, computer engineering, or a closely related field. Successful candidates are expected to lead the development of an externally funded research program and team in this area, and complement existing expertise in the cyber systems community at UNL in Lincoln and Omaha. The successful candidate will contribute to the undergraduate and graduate academic programs within the department and demonstrate a commitment to excellence in both teaching and research.

The Department of Electrical & Computer Engineering consists of approximately 35 tenure/tenure-track faculty, 400 undergraduate students, and 120 graduate students co-located in two cities, Lincoln and Omaha, Nebraska. An outstanding infrastructure exists for conducting research, including central facilities housing state-of-the-art instrumentation and computing, including the Holland Computing Center (hcc.unl.edu). Opportunities for collaborations across the University of Nebraska include the University of Nebraska Medical Center, the University of Nebraska-Omaha College of Information Science & Technology, the Nebraska Center for Energy Sciences Research, the Center for Brain, Biology, and Behavior, the Nebraska Athletic Performance Laboratory, the Midwest Roadside Safety Facility, Innovation Campus, and other state- and federally-funded research centers and programs.

Applicants are expected to have a Ph.D. or equivalent in electrical engineering, computer engineering, or a closely related field. Applicants should have a record of strong scholarly achievement and a demonstrated commitment to excellence in undergraduate and graduate education. Candidates must have the potential to establish a strong externally funded research program. Preferred candidates should have a strong record of scholarly achievement in the area of cyber systems with an emphasis on cyber security and related topics.

Applications must be submitted via <http://employment.unl.edu> (requisition #F_180117). Complete applications will

UNLV

**Computer Science, Big Data/Health Disparities
Assistant/Associate/Professor, UNLV College of Engineering**

The Department of Computer Science at the University of Nevada, Las Vegas (UNLV) invites applications for a full-time tenure-track/tenured faculty position [R0112275] at all ranks in the area of Big Data commencing Fall 2019.

The selected applicant will be expected to perform excellent research, teaching, and service in Big Data including data mining, data analytics, data visualization, database modeling, machine learning, scalable computing, software and hardware systems for big data processing, and distributed/parallel computing.

The UNLV Top Tier Initiative is an extension of our vision of entering the top 100 American research universities, as designated by the Carnegie Foundation as a Highest Research Activity (R1) University. The Computer Science department is integral to UNLV's Top Tier Initiative with research activities and expenditures in Big Data, Programming Language, Cybersecurity and Theory areas. Our faculty members have received many prestigious research and educational awards, including The U.S. Congressional Recognition Award, The White House Champions of Change award in computer science education, The U.S. Army Mentorship Award, IEEE Computer Society Distinguished Service Award, etc.

For more information, please visit <https://www.unlv.edu/jobs>

For assistance with the application process, please contact UNLV Human Resources at (702) 895-3504 or applicant.inquiry@unlv.edu.

EEO/AA/Vet/Disability Employer

include a cover letter, CV, research and teaching statements, and a list of three references. Review of application materials will begin November 15 and continue until the position is filled. 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

Assistant Professor Computer Science

The University of New Haven invites applications for a tenure track position in computer science with expertise in the application of data science to cybersecurity.

For full description: <https://apply.interfolio.com/58036>

University of New Mexico

CS Faculty Position

The Department of Computer Science in the School of Engineering at the University of New Mexico invites applications for a full-time tenure-track position at the level of Assistant Professor. UNM is a Carnegie Very High Research Activity Institution and a federally designated Hispanic Serving Institution located in Albuquerque, New Mexico.

UNM CS is an interdisciplinary, family-friendly department. Our research and instruction pushes the boundaries of emerging CS areas and topics at the intersection of CS and other fields as well as in core CS. We seek applicants demonstrating excellence in any area of CS or related disciplines.

Applicants must have completed a doctorate in CS or a related area by August 15, 2019. In accordance with UNM policies, applicants will additionally be evaluated on these preferred qualifications: (1) their demonstrated ability to establish a nationally visible research program; (2) their commitment to undergraduate and graduate education; and (3) a demonstrated commitment to diversity, equity, inclusion, student success, and working broadly with diverse communities.

Each application must include a cover letter summarizing the applicant's experience, curriculum vitae, research statement, teaching statement, and four letters of reference. Please have reference letters sent to unmcsfacultysearch@cs.unm.edu before the application deadline.

Applicants may also include in their application an optional statement, no more than one page in length, on their experience related to item (3) above. Alternatively, if appropriate, applicants may address this topic in their cover letter or in their teaching or research statements.

To apply and see the complete advertisement, visit <https://unmjobs.unm.edu> and reference requisition #Req6190. For best consideration, apply by December 15, 2018. This position will remain open until filled. Inquiries should be emailed to the Chair of the CS Department, Darko Stefanovic (darko@cs.unm.edu).

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer.

making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class.

University of New Mexico

Two Tenure-track Faculty Positions in Electrical and Computer Engineering

The Department of Electrical and Computer Engineering in the School of Engineering at the University of New Mexico invites applications to fill two tenure-track faculty positions at the Assistant or Associate Professor level to begin in Fall 2019. Areas of interest include: Computer Engineering (embedded and real-time systems, hardware and cyber-physical security, Internet of Things, data science, quantum computing, machine learning, cloud computing, artificial intelligence, FPGAs, VLSI); and Electrical Engineering (microelectronics, power systems, smart grid, high power & RF electronics, photonics, optical communications, space and satellite systems, cyber-physical systems, quantum devices and systems, neuromorphic hardware).

The department has state-of-the-art facilities, and its proximity facilitates collaboration with Sandia National Laboratories, Los Alamos National Laboratory, and the Air Force Research Laboratory. The research expenditures of ECE and associated research centers are over \$30 million/year.

The minimum requirement is a doctorate by the time of appointment in electrical engineering, computer engineering, or closely related fields.

The preferred qualifications are a solid publication record, the potential for excellent teaching at the undergraduate and graduate levels, the potential to develop an externally funded research program, the ability to engage in interdisciplinary research work with other departments (e.g. Physics, CS), and a demonstrated commitment to diversity, equity, inclusion, and student success, as well as working with broadly diverse communities.

More information can be found at <http://ece.unm.edu/about/facultyjobs.html>.

All qualified applicants are encouraged to apply, including women, minorities and those from other underrepresented groups. Candidates should apply electronically at <https://hr.unm.edu/unmjobs>, requisition number **req6407**.

Please submit an application letter indicating your area of interest (either electrical or computer engineering), statements of research and teaching, a commitment to diversity statement, CV, and the contact information of three references. Applicants who are appointed to a UNM continuing faculty position are required to provide official certification of successful completion of all degree requirements before their initial employment with UNM.

For full consideration, applications should be submitted before December 1st, 2018.

The University of New Mexico is a family friendly and an equal employment opportunity/affirmative action employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class. We are committed to hiring and retaining a diverse workforce.

The University of New Mexico is a recipient of an ADVANCE Institutional Transformation grant from the NSF to promote and advance women and minority faculty in STEM fields, and SOE is partnering with the ADVANCE at UNM program to help recruit and retain an excellent and diverse faculty.

Albuquerque is a beautiful and historic city with terrific weather, rich cultural life, and lots of outdoor activities. Cradled in the Rio Grande Valley beneath the Sandia Mountains, Albuquerque is by far the largest city in the state, acting as the media, educational, and economic center of New Mexico, as well as the home of the state's only major airport, making it a common entry point into New Mexico.

For more information go to: <https://advance.unm.edu/why-abq/>

University of New Mexico

UNM CS Faculty Position

The Department of Computer Science in the School of Engineering at the University of New Mexico invites applications for a full-time tenure-track position at the level of Assistant

Professor. UNM is a Carnegie Very High Research Activity Institution and a federally designated Hispanic Serving Institution located in *Albuquerque, New Mexico*.

UNM CS is an interdisciplinary, family-friendly department. Our research and instruction pushes the boundaries of emerging CS areas and topics at the intersection of CS and other fields as well as in core CS. We seek applicants demonstrating excellence in any area of CS or related disciplines.

Applicants must have completed a doctorate in CS or a related area by August 15, 2019. In accordance with UNM policies, applicants will additionally be evaluated on these preferred qualifications: (1) their demonstrated ability to establish a nationally visible research program; (2) their commitment to undergraduate and graduate education; and (3) a demonstrated commitment to diversity, equity, inclusion, student success, and working broadly with diverse communities.

Each application must include a cover letter summarizing the applicant's experience, curriculum vitae, research statement, teaching statement, and four letters of reference. Please have reference letters sent to unmcsfacultysearch@cs.unm.edu before the application deadline.

Applicants may also include in their application an optional statement, no more than one page in length, on their experience related to item (3) above. Alternatively, if appropriate, applicants may

address this topic in their cover letter or in their teaching or research statements.

To apply and see the complete advertisement, visit <https://unm.csod.com/ats/careersite/JobDetails.aspx?id=6190>. For best consideration, apply by December 15, 2018. This position will remain open until filled. Inquiries should be emailed to the Chair of the CS Department, Darko Stefanovic (darko@cs.unm.edu).

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class.

The University of North Carolina at Chapel Hill

*Teaching Professor
(Rank to be determined)*

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, 2019. The position is for an initial term of one year, and as a permanent position is renewable upon review. We seek applications from individuals with 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 <http://www.cs.unc.edu/recruiting>.

UNC Greensboro

*Tenure-Track Assistant
Professor Positions*

The University of North Carolina at Greensboro (UNCG) seeks applications for two tenure-track positions at the rank of Assistant Professor in the Department of Computer Science starting August 1, 2019. We are looking for candidates who show exceptional promise in both research and teaching. Preferred research areas are those that build upon our existing areas of strength, which include algorithms, artificial intelligence, bioinformatics, data analytics, databases and data mining, foundations of computer science, human-computer interaction, image processing, networking, and security, but applicants in other research areas are also encouraged to apply. For one position (position number 998709), we are particularly interested in candidates who can pursue interdisciplinary research in the natural and social sciences, and half of the teaching responsibilities of this position will be dedicated to UNCG's new interdisciplinary Master of Science in Informatics and Analytics program. For the second position (position number 001871), we are particularly interested in candidates who work in core areas of computer science.

The Department of Computer Science at UNCG is a thriving department with an established, ABET- accredited B.S. degree

program and an active M.S. degree program, and is experiencing rapid enrollment growth. The department currently has 9 tenured and tenure-track faculty members who are all active in research, as well as lecturers and part-time faculty. For more information on the Computer Science Department, visit the Department's web page at <http://compsci.uncg.edu/>.

UNCG is a public coeducational, doctoral-granting residential university chartered in 1891, classified by the Carnegie Foundation as a "Doctoral University: Higher Research Activity." UNCG is a Minority Serving Institution, with an undergraduate population of 44% ethnic minority students. UNCG and the Department of Computer Science foster an environment of collaboration across departments and schools and support community-engaged research. UNCG is proud of the diversity of its student body and we seek to attract an equally diverse applicant pool for this position. UNCG is located in a metropolitan area of more than 1.6 million in the Piedmont region of North Carolina, between the Atlantic Ocean and the Appalachian Mountains. UNCG is an EOE/Affirmative Action/M/F/D/V employer and is strongly committed to increasing faculty diversity.

Candidates must hold or anticipate a Ph.D. in Computer Science or a related discipline by August 1, 2019.

Submit curriculum vitae, research and teaching statements, names of four professional references through UNCG JobSearch at <http://jobsearch.uncg.edu> and click on "Tenure Stream Faculty"

to find the appropriate job posting. You may direct your informal inquiries to Dr. Stephen Tate, Department of Computer Science, University of North Carolina at Greensboro, Greensboro, NC 27402 (cssearch@uncg.edu).

Review of applications will begin on January 15, 2019 and continue until the position is filled.

University of Northern Iowa

*Department of Computer Science
Assistant Professor of Computer Science
Cedar Falls, Iowa*

The department invites applications for two tenure-track assistant professor positions to begin August 2019. Applicants must hold a Ph.D. in Computer Science or a closely-related discipline. The first position requires expertise in a systems area, such as networking, operating systems, and system security. The second position is open to applicants with expertise in any area of computer science.

Detailed information about the position and the department are available at <http://www.cs.uni.edu/>. To apply, visit <http://jobs.uni.edu/>. Applications received by January 15, 2019, will be given full consideration. Pre-employment background checks required. UNI actively seeks to enhance diversity and is an Equal Opportunity/Affirmative Action employer. The University encourages applications from persons of color, women, individuals living with disabilities, and protected veterans. All qualified applicants will

receive consideration for employment without regard to age, color, creed, disability, gender identity, national origin, race, religion, sex, sexual orientation, protected veteran status, or any other basis protected by federal and/or state law. UNI is a tobacco-free campus.

University of North Florida

*3 Assistant Professors (Cluster Hire) -
School of Computing*

The School of Computing at the University of North Florida is conducting a cluster-hire search for three tenure-earning positions at the assistant professor rank, to begin August 2019. The successful candidates must have an earned Ph.D. degree (or will earn a Ph.D. degree by August 2019) in the field of Computing from an accredited institution. The successful candidate must demonstrate the potential for excellence in teaching and in research, demonstrated through top-level publications. The Computing programs in the School of Computing (computer science, information systems, information technology, and information science) are ABET accredited. Position responsibilities will include teaching undergraduate and graduate courses in Computing as well as conducting research. A commitment to excellence in teaching, ability to establish/conduct an outstanding research program and supervise masters theses in Computing will be expected from the successful candidate. Although all areas of research will be considered, preference will be given to candidates whose research is in, or applicable to, the

general area of Cybersecurity. Collegiality, active service and participation in governance in accordance with the vision and mission of the School, College and University are also expected.

Applicants must complete an online application at to include: <http://www.unfjobs.org/postings/8623> a letter of interest, a curriculum vitae, a list of three references with contact information, unofficial transcripts, a teaching statement, and a statement of vision for research. A pre-employment background check is performed on candidates selected for employment. Please direct your questions to the search committee chair Dr. Asai Asaithambi at (904) 620-2985 or by e-mail at asai.asaithambi@unf.edu. Review of applications will begin on 11-9-2018 and continue until the position is filled.

UNF is an Equal Opportunity/Equal Access/Affirmative Action Employer. Minorities, women, veterans, spouses of veterans, and disabled persons are encouraged to apply.

Jacksonville is one of the largest cities of the southeast with a diverse economy and an affordable cost of living. For more information visit: www.visitjacksonville.com and www.coj.net.

University of Notre Dame

Visiting Research Assistant Professor

The Department of Computer Science and Engineering at the University of Notre Dame seeks candidates for a Visiting Research Professor in



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
College of Engineering

Assistant/Associate Professor Positions

The University of North Texas (UNT), a Tier 1 Research Institution (Carnegie Classification as a Doctoral University: Highest Research Activity), invites applications for the following tenure track faculty positions in the Department of Computer Science and Engineering (CSE).

Position 1: Assistant Professor in **Computer Engineering**, broadly conceived to include Computer Systems Architecture, VLSI, Cyber-Physical Systems, Real-time and Embedded Systems, focusing on performance, security, resiliency and trustworthiness of such systems.

Position 2: Assistant or Associate Professor in **Machine Learning**. Candidates with an interest in Health, Environmental or Bio-Informatics, Natural Language Processing, Robotics, Vision, Data-Intensive Computing or Security are especially encouraged to apply.

The candidates for positions #1 and #2 are expected to teach CSE undergraduate and graduate courses, develop a strong research program funded by external sources, support and mentor graduate students, and provide service to the University and the profession. Minimum qualifications include a Ph.D. in computer science, computer engineering or a closely related field.

Position 3: Assistant Professor in **Computational and/or Data Science**, including big data analytics, machine learning, artificial intelligence, quantum computing, and visualization. This is a joint position between Computer Science and Engineering and Mathematics. The successful candidate will have a strong background in mathematics and its applications to computer science, with an active research program involving the application of mathematical methods to an area within computational science or data science. The candidate must be able to stimulate an environment of interdisciplinarity, working with students and faculty from both departments. A Ph.D. in mathematics, computer science, or a closely related field will be expected by the time of appointment.

For an Assistant Professor position, a strong publication record and the potential to succeed in securing research funding and mentoring graduate students are required. For an Associate Professor position, a sustained record of providing mentoring to junior faculty, advising graduate students, providing service to the University and profession, and securing external funding for research activities are also required.

The Computer Science and Engineering department is home to 14 Professors, 9 Associate Professors, 4 Assistant Professors, 6 Lecturers, almost 100 Ph.D. students, over 200 master students, and almost 1100 bachelor students. We offer a Ph.D. degree in Computer Science and Engineering, M. S. degrees in Computer Science and Computer Engineering, ABET-accredited B. S. degrees in Computer Science and Computer Engineering, and an ABET-accredited B. A. degree in Information Technology. Additional information about the department is available at the website: computerscience.engineering.unt.edu.

Application Procedure:
All applicants must apply online to: <https://facultyjobs.unt.edu>. Submit nominations and questions regarding the tenure track position in computer engineering (system identification number 6002140) to Dr. Krishna Kavi (Krishna.Kavi@unt.edu), the tenure track position in machine learning (system identification number 6002138) to Dr. Rodney Nielsen (Rodney.Nielsen@unt.edu), and the tenure track position in computational/data science (system identification number 6002142) to Dr. Stephen Jackson (Stephen.Jackson@unt.edu).

Application Deadline:
The committee will begin its review of applications on December 1, 2018 and continue to accept and review applications until the positions are filled.

The University:
As the nation's 33rd largest public university and the largest, most comprehensive in the Dallas-Fort Worth area, UNT is dedicated to providing an excellent educational experience to its 38,000 students while powering the North Texas region, state and nation through innovative education and research. UNT is strategically located in Denton, Texas, a vibrant city with a lively arts and music culture.

The University of North Texas is an AA/ADA/EOE committed to diversity in its educational programs.

UNIVERSITY OF NORTH TEXAS
1155 Union Circle #311366, Denton, Texas 76203-5017 | 940.565.2767 | 940.565.2799 fax
computerscience.engineering.unt.edu

Computational Social Sciences. Initial appointment will be made for a term of two years at the rank of Visiting Research Assistant Professor or Visiting Research Associate Professor depending on experience and may be extended depending on performance.

The ideal candidate will have a PhD in computer science, sociology, statistics, or a closely related field; a strong background in analysis and modeling of social media data; a strong interest in computational social science; and an interest in teaching in these areas (one

course per semester). More information about the department can be found at: <http://cse.nd.edu/>

Applicants must submit a cover letter and CV at <http://apply.interfolio.com/53838>.

University of Ontario Institute of Technology

*Tenured or Tenure-Track - Assistant
Professor - Computer Science*

Faculty of Science

Tracking Code: 1424-136

Appointment Type: Full-Time Continuing

Position Type: Assistant Professor,
Computer Science

Posting Date: October 22, 2018

Application Review Date:
December 10, 2018

We invite you to consider joining the University of Ontario Institute of Technology, a research intensive institution with an internationally educated faculty and innovative approaches to teaching.

The Faculty of Science at the University of Ontario Institute of Technology (UOIT), invites applications from qualified individuals for a tenure-track assistant professor position in Computer Science. Applicants must hold a Ph.D. degree in Computer Science or related field or have completed all of the requirements of their PhD by the date of appointment. The preferred areas of expertise to

strengthen and complement our existing research programs are: graphics, digital media and HCI; programming languages and compilers; software development and analysis; systems (e.g., cloud computing, distributed, parallel, embedded and operating systems). We will, however, consider applicants in all areas of Computer Science who have demonstrated exceptional research and teaching potential.

UOIT advances the discovery and application of knowledge through a technology-enriched learning environment and innovative programs responsive to the needs of students, and the evolving 21st-century workplace. In just over 15 years, the university has quickly established an impactful research portfolio across a broad range of academic disciplines to address current and future economic and social needs. UOIT promotes social engagement, fosters critical thinking, and integrates outcomes-based learning experiences inside and outside the classroom. We invite you to consider joining UOIT's globally trained faculty as we further our reputation for providing a leading-edge learning environment and delivering innovative research.

The successful candidate will be expected to develop a successful and innovative externally-funded research program which supports peer-reviewed publications, training of graduate students at both masters and PhD level, and academic and industrial collaborations. The candidate will also be responsible for teaching at both the undergraduate and graduate level and

contributing to the continued development of these programs. Given UOIT's commitment to providing a technology-enhanced learning environment, we seek individuals who are interested to explore and develop effective pedagogical applications of technology in Computer Science education.

The Faculty of Science at UOIT is non-departmental and embraces interdisciplinary collaboration. The Computer Science group, within the Faculty of Science, offers a vibrant and dynamic academic environment with a strong track record of research impact. The Computer Science BSc program includes specializations in Digital Media and Data Science as well as a co-op option. The Computer Science MSc and PhD are cross-Faculty programs supported by 20+ research faculty, including three Canada Research Chairs. The successful candidate will be expected to follow a 40% Research, 40% Teaching and 20% Service workload each year.

UOIT is one of Canada's newest public, research universities, with over 10,000 students at all levels of study. It is located in Oshawa, Ontario (population of approximately 160,000) and easily accessible from Toronto, Ontario by car and transit.

The Faculty of Science is interested in candidates who will proactively advance equity, diversity and inclusion in research activities, curriculum and teaching and can demonstrate their commitment to promoting a respectful work and learning environment at UOIT.

Review of applications will begin December 10, 2018, but later submissions may be considered until the position has been filled. Applicants should submit, in an electronic format through the UOIT website, a formal letter of application, a curriculum vitae including a list of publications, a statement of their teaching philosophy/interests/experience, a list of three potential referees, and an outline of their present and future research programs.

This position falls within the bargaining unit represented by the UOIT Faculty Association and will be subject to the terms and conditions of the collective agreement between the University and the UOIT Faculty Association. The collective agreement may be found on the Human Resources section of our website.

UOIT is an equal opportunity employer and welcomes applications from qualified women and men, including members of visible minorities, Indigenous peoples and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

UOIT respects people's different needs and therefore will take all reasonable steps to ensure accommodation for applicants where appropriate. If you require an accommodation to participate in the recruitment process, please notify Jocelyn Churchill at Jocelyn.Churchill@uoit.ca or 905-721-8668 ext. 3679. For more information, see <http://accessibility.uoit.ca/>.

Job Location

Oshawa, Ontario, Canada

Expected Start Date

7/1/2019

Campus Travel

N/A

Salary Grade

Administered in accordance with the Collective Agreement

https://universityofontarioit-openhire.silkroad.com/epostings/index.cfm?fuseaction=app.jobinfo&id=23&jobid=1424&company_id=30136&version=1&source=ONLINE&JobOwner=992433&level=levelid2&levelid2=36332&startflag=3

University of Pittsburgh

Swanson School of Engineering-Tenure-track Faculty Position

The Department of Industrial Engineering at the University of Pittsburgh invites applications in anticipation of multiple open tenure-track faculty positions at any rank. The expected start date is Fall 2019.

We are seeking candidates in all areas of industrial engineering and operations research as well as their intersection with computer science and statistics. Applicants must have a strong methodological background and an interest in advancing cutting-edge, interdisciplinary research. For junior candidates, our primary search criterion is research potential. Senior candidates must have established an outstanding

research record commensurate with rank. All candidates should have evidence of, or potential for, teaching excellence.

Candidates are expected to have a PhD degree in industrial engineering, operations research, computer science, statistics, or another related field by Fall 2019. Applicants should email (1) a cover letter, (2) a curriculum vitae, (3) statements of research and teaching interests, (4) representative publications, and (5) a list of at least three professional references to facultysearch2018@ie.pitt.edu.

The Department of Industrial Engineering is home to 20 full-time faculty members with an outstanding reputation in a wide variety of research areas. The department maintains vibrant programs at the undergraduate, masters and doctoral levels; offers excellent laboratory facilities; and benefits from many contacts with regional and national corporations. Additional information about the department can be found at <https://www.engineering.pitt.edu/industrial/>.

To ensure full consideration, candidates should apply before December 1, 2018; however, applications will be reviewed until the positions are filled.

The University of Pittsburgh is an affirmative action, equal opportunity employer. Candidates from underrepresented groups are particularly encouraged to apply.

University of Pittsburgh

Tenure/Boyce Chair Position

The School of Computing and Information (SCI), the newest school at the University of Pittsburgh, aims to create and harness data-driven technology, science, and expertise to improve the security, performance, and understanding of complicated, interacting natural, social, and engineered systems. Predictive modeling and insightful analysis for evidence-based decision-making, in the context of these interacting systems, is key to our mission. As we build and expand the school, it is crucial that we continue and strengthen our leadership in addressing underrepresentation by fostering a diverse, inclusive, and equitable environment for students, faculty, and staff.

About the Position

We are seeking a visionary leader and scholar for the endowed Doreen E. Boyce Chair in Library and Information Science. This Individual should demonstrate inspired leadership within the information profession and have a commitment to dynamic, cross-disciplinary and collaborative research. The individual filling this endowed chair will be internationally recognized for research, education, and service at the confluence of information, technology, and human behavior, especially from a social perspective. Topics of particular interest include, but are not limited to, computing and information ethics, policy, and governance; theory and

methods of knowledge reuse through data management, stewardship, and reproducibility; modeling and decision making in interacting systems; as well as socio-technical systems and the nature of human interaction with information and data. Successful candidates must hold a PhD for this position as well as established impact and experience appropriate for appointment at the rank of professor.

About the School of Computing and Information

As a new school, we are working to develop and expand upon many exciting initiatives. In collaboration with multiple units at Pitt and other leading organizations in the region, we have launched the Modeling and Managing Complicated Systems (momacs) Institute. Our faculty are involved in developing numerous interdisciplinary research programs, launching a first year-admitting undergraduate program, creating joint academic programs at both the undergraduate and graduate levels, and creating a new Professional Institute to close critical skills gaps by providing specialized education to working professionals.

Pittsburgh is a vibrant hub of education, technology, and medicine, with many startups and established companies throughout the region. The region offers an exceptionally high quality of life, with low cost housing, excellent secondary schools, abundant outdoor activities, and rich cultural attractions well beyond other cities of its size. SCI has numerous

connections to centers, institutions, and companies in the region, including the School of Medicine, Carnegie Mellon University, the City of Pittsburgh, the Center for Causal Discovery, the Center for Energy, the Pittsburgh Supercomputing Center, the Center for the Neural Basis of Cognition, Google, Uber, Oculus, Argo AI, and many others. Through these connections, there are ample opportunities to collaborate broadly and build multi-disciplinary research teams of the highest caliber.

Nominations and inquiries may be sent in confidence to Dr. Bruce Childers, Associate Dean for Strategic Initiatives, at childers@pitt.edu. Learn more at www.sci.pitt.edu/recruiting.

The University of Pittsburgh is an affirmative action and equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status.

University of Pittsburgh

Non-Tenure Track Faculty Positions

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of these interacting systems, is key to our mission. As we build and expand the school, it is crucial that we continue and strengthen our leadership in addressing underrepresentation by fostering a diverse, inclusive, and equitable environment for students, faculty, and staff.

About the Position

Non-tenure track positions for Lecturer, Professor of Practice, Assistant Professor, and Associate Professor are available that are long-term, career-oriented and renewable. These positions offer exciting and long-term paths to teach and develop novel undergraduate programs, including the rethinking of curriculum to reflect emerging concepts, new skills and the deep entwinement of computing and information into other disciplines. Non-tenure positions also offer opportunities to teach classes at the graduate-level in computer science, information science, library science, and telecommunications. Such programs are essential to train polymaths who understand the abstractions that unite disciplines, and can apply these concepts. We strongly encourage scholars who have experience working with diverse students and an investment in embedding inclusion in their teaching to apply. As we transition to a four-year undergraduate program, individuals filling these openings will have a unique opportunity to develop inclusive curriculum that teaches both current computer science, information science, and library and information science concepts as well as polymathic ones. For

positions at the rank of Assistant and Associate Professor, a PhD is required. For positions at Lecturer, Senior Lecturer, and Professor of Practice, an M.S. is required, with a PhD strongly preferred.

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Learn more at

www.sci.pitt.edu/recruiting.

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University of Pittsburgh

Tenure-Track Faculty Positions

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About the Position

SCI has multiple positions available in the tenure-track at the Assistant Professor, Associate Professor, and Full Professor ranks. The specific area is open for all positions. We especially seek individuals who think and work across traditional boundaries and who see themselves as dynamic, cross-disciplinary team players. We are motivated to bring together scholars to collaboratively address complex challenges and who will contribute to the school's mission of modeling and managing complicated, interacting systems. Individuals working on transdisciplinary aspects of computing and information are encouraged to apply. Topics of particular interest include, but are not limited to, domain-oriented modeling and analysis; computationally- and data-driven causal methods; quantum information science; computing and information ethics, policy, economics, and governance; secure, equitable, and responsive frameworks for modeling and decision making; theory and methods of knowledge reuse; as well as socio-technical systems and the nature of human interaction with information and data.

Advancement of SCI's mission also requires deep expertise in traditional areas of computer, information, and library science, and we encourage applications from individuals working across the entire spectrum of research in these disciplines, including but not limited to artificial intelligence; Internet of Things; social informatics; data management; data visualization; scientific reproducibility;

machine learning; cloud and high-performance computing; cyber-physical systems; security and privacy; and others. A PhD is required for all tenure-stream positions. Interested individuals can find full application instructions at <http://www.sci.pitt.edu/recruiting>.

About the School of Computing and Information

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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. Candidates in all areas of computer science and at any level of seniority are encouraged to apply.

We have a distinguished history of research in artificial intelligence, human-computer interaction, systems, and theory.

We are continually on the lookout for unique hiring opportunities and synergies, including but not limited to growing and complementing our strengths in natural language processing and security and privacy.

Candidates must have (or be about to receive) a doctorate in computer science or a related discipline. Applications should be submitted online (at <https://www.rochester.edu/faculty-recruiting/login>) no later than January 1, 2019, for full consideration; submissions beyond this date risk being overlooked due to limited interview slots.

We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments, including brain and cognitive science, linguistics, biomedical engineering, electrical and computer engineering, and several departments in the medical center. Recent faculty hires have received a host of national honors, including the NSF CAREER and CRII awards, the MIT TR35 award, honorable mentions in ACM dissertation competitions, multiple Google research awards, and best paper designations at top-tier conferences.

The department is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in higher education. We have a vibrant Women in Computing community, and are a charter member of the ABI/HMC BRAID Initiative. With funding from major industrial sponsors, BRAID works to increase diversity and inclusivity in the undergraduate program and to rigorously evaluate factors that contribute to change. In each of 2017 and 2018, women constituted at least 32% of our BA/BS graduates, and we are actively

working to improve the environment for other underrepresented groups.

The University of Rochester is an Equal Opportunity Employer:
EOE Minorities/Females/Protected Veterans/Disabled

University of South Carolina

Director of Artificial Intelligence Institute

The University of South Carolina is initiating a search for the Director of the new Artificial Intelligence Institute. The pan-University Institute is expected to engage core and affiliated faculty from a range of disciplines. The College of Engineering and Computing is well positioned to support this University-wide Institute and is in the midst of expanding its tenured and tenure-track ranks by over 40 faculty members. The Director will be expected to create the vision for the Institute and lead it to international prominence in several areas of research, real-world applications, work-force preparation, and job creation in intelligent systems.

The new Director will have the opportunity to grow strategic areas of research and oversee innovation of curricula, as well as hire the core faculty and attract as affiliates several dozen faculty members across the university, and spanning all fields (medicine, pharmacy, public health, education, journalism, social work, nursing, business, humanities, physical sciences, engineering, and computing). The Institute will be housed centrally in

the University, and the Director will have significant input into design and function of the space.

The Director will be expected to:

- Conduct convergent, team-oriented, high impact research, with a substantial portfolio of competitive and institute-scale research funds from external sponsors.
- Engage with key industries/services in the region and foster an entrepreneurial ecosystem with joint projects, technology transfer, and startup formation.
- Advance AI education and training programs across the University and the State.
- Position the Institute for national prominence in niche areas within 5 years.
- Lead multidisciplinary project teams
- Serve as a mentor to junior faculty and students.

Applicants must be of international stature with an exceptional record of published research in high-quality journals, demonstrated ability to attract significant funding from multiple sources, and a history of successful graduate student supervision. Additionally, qualified applicants are expected to have both outstanding leadership and administrative skills to enhance the educational and research missions of the College and University. Their established record of research, teaching, and leadership (including an earned Ph.D. degree in computer science or a closely-related field) must be commensurate with appointment as a full professor with tenure in the College. The applicant must

also show clear evidence of commitment to diversity, equity, and inclusion through research, teaching, and/or service efforts.

The University of South Carolina is the Flagship University of the State. Founded in 1801, it is one of the nation's oldest and most comprehensive public universities. Columbia, the seat of South Carolina government, was ranked by Livability.com as the third best college town in 2016. The temperate climate, the family friendly and resurgent city, the proximity to the beaches and mountains, and the traditions and beauty of the historic University with forward-leaning benefits and practices provide for a high quality of life. The strategic investments of the State over the past two decades in automotive, aerospace, energy, and manufacturing areas provide ample opportunity for collaboration with industry.

Review of applications will begin immediately and continue until the position is filled. Expected start date is August 16, 2019. Interested applicants will apply online at <http://uscjobs.sc.edu/postings/46728> with: (1) a letter of intent, (2) curriculum vitae, (3) a concise description of research plans, and (4) names and contact information of 5 references.

Questions about the search may be directed to: DirectorAsearch@cec.sc.edu.

The University of South Carolina does not discriminate in educational or employment opportunities on the basis of race, color, religion, national origin, sex, sexual orientation, gender, age, disability, protected veteran status, or genetics.

University of South Carolina

College of Engineering and Computing

Department of Computer Science and Engineering

Multiple Open-Rank, Tenured or Tenure-Track Faculty Positions

The Department of Computer Science and Engineering (<http://cse.sc.edu>) seeks multiple tenured and tenure-track faculty members at all ranks and in all areas for Fall 2019. Applicants are expected to:

- Possess a Ph.D. degree in computer science, computer engineering, or a closely-related field by the beginning date of employment, and a demonstrated record of research accomplishments.
- Demonstrate evidence of commitment to diversity, equity, and inclusion through research, teaching, and/or service efforts.
- Develop internationally-recognized, externally-funded research programs that: (1) complement existing departmental strengths, (2) leverage exceptional interdisciplinary collaboration opportunities, and (3) align with vital college-level, cross-cutting research themes including smart & connected communities, transformative computing, healthcare transformations, and agile manufacturing (for details on these initiatives, please visit: <http://cec.sc.edu/employment>).
- Applicants from all traditional as well as non-traditional and interdisciplinary areas of Computer Science and Engineering are urged to apply. Research areas of special interest include:

- Human in the loop or knowledge-enhanced AI, deep learning, natural language processing, question-answering/conversational AI, brain-inspired computing, semantic/cognitive/perceptual computing;
- Big data - including social, sensor, biological, and health - and scalable computing/analysis of big data;
- Computer vision, robotics, and human-computer interaction including personal digital/assistive technology;
- Cyber-physical systems and Internet of Things;
- Software analysis and testing, adaptive and autonomous systems, and search-based software engineering; and
- Next generation networking, cybersecurity, and privacy

The Department of Computer Science and Engineering offers B.S. degrees in Computer Science, Computer Information Systems, and Computer Engineering; M.S. and Ph.D. degrees in Computer Science and Computer Engineering; M.S. degrees in Software Engineering and Information Security; and a Graduate Certificate in Cyber Security Studies. The Department has 23 full-time faculty members (10 of whom are NSF CAREER Award recipients), an undergraduate enrollment of 935 students, and a graduate enrollment of 161 students.

Review of applications will begin on December 1, 2018 and continue until positions are filled. Expected start date is August 16, 2019. Interested applicants should apply online at <http://uscjobs.sc.edu/postings/43854> with a: (1) letter

of intent, (2) curriculum vitae, (3) concise description of research plans, (4) teaching plan, and (5) names & contact information of 3-5 references.

The University of South Carolina does not discriminate in educational or employment opportunities on the basis of race, color, religion, national origin, sex, sexual orientation, gender, age, disability, protected veteran status or genetics.

University of South Dakota

Instructor

Computer Science instructor position at the University of South Dakota, for details go to <https://yourfuture.sdbor.edu/postings/13703>

University of Southern California

*Viterbi School of Engineering -
Department of Computer Science
Teaching Faculty Position
Los Angeles, CA*

The Department of Computer Science (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) seeks a candidate for a teaching position (Lecturer) to teach undergraduate and graduate courses. This is a full time, benefits eligible faculty position on the non-tenure track. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, persons from underrepresented minority groups, veterans, and individuals with disabilities.

We are interested in exceptional candidates at all levels.

Competitive candidates will have the training and experience necessary to teach effectively in a highly-ranked Computer Science department that advances undergraduate students through an accredited BS degree program and graduate students enrolled in MS and PhD programs. While we are interested in candidates with backgrounds in all areas of Computer Science, we are particularly interested in candidates with expertise in Algorithms, Artificial Intelligence, Machine Learning, Databases, Computer Games, Programming Languages, Networks/Systems, Software Engineering, Visualization, User Interfaces, and Data Science. Relevant industry experience is valued for candidates interested in teaching games-related courses.

This is primarily a teaching position; all candidates are expected to have a strong commitment to teaching. Lecturer will spend the majority of its time on teaching and teaching-related duties with reduced obligation for research and University service. Qualified candidates should have a doctoral degree in Computer Science (or equivalent) by the date of appointment. Salary and benefits are competitive. While we seek applications at the level of Lecturer, in exceptional cases, applicants with longer teaching experience may also be considered for a commensurate position (e.g., Senior Lecturer).

Applicants should submit their applications at [USC Careers](http://usc-careers.com).

Applications must include a cover letter, a detailed curriculum vitae, a teaching statement, and names of at least three professional references, at least two of whom must be familiar with, and able to comment on, the applicant's teaching experience. Applicants may also include a research statement. Applications should be submitted by December 2, 2018. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 189 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 44 tenure-track, 31 research faculty, and 19 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. In addition to its commitment to faculty diversity, the USC Viterbi School of Engineering is committed to enabling the success of dual career families and fosters a family-friendly environment.

University of South Florida

Assistant Professor in Cryptography/Cybersecurity

The Department of Mathematics & Statistics of the University of South Florida seeks to fill a 9 month, full-time and tenure-earning, Assistant Professor position in Cryptography/Cybersecurity to begin August 7, 2019. Ph.D. in Mathematics or a closely-related field is required, with preference in disciplines related to Cryptography/Cybersecurity (e.g., Algebra, Number Theory, Algebraic Geometry, Combinatorics, etc.).

For further details regarding this position and to submit an application, please visit <http://employment.usf.edu>, click on Job ID 18548, and attach a Cover Letter, Curriculum Vitae, Teaching Philosophy Statement, proven Teaching Effectiveness/Instructional History, and Research Statement as a single file.

The University of South Florida

Faculty Positions in Computer Science and Engineering

Applications are invited for multiple tenure-track positions at all ranks in the Department of Computer Science and Engineering starting Fall 2019. Preference will be given to candidates in strategic research areas that have high funding potential from federal funding agencies including NSF, NIH, DARPA, etc. Research expertise in artificial intelligence and cognitive computing (e.g. learning theory, deep learning, natural language processing, human-machine interaction, computer vision), efficient computing platforms (edge computing, neuromorphic computing, quantum computing, next generation design automation), big-data algorithms (databases, systems, HPC) or the intersection of these areas with cybersecurity is desired. Outstanding candidates in other areas may be considered. Truly exceptional senior candidates are particularly welcomed to apply. Candidates should have an established record of outstanding-quality research publications and with potential for excellence in teaching. Candidates must have completed, or be near completion of a Ph.D. in computer science, computer engineering, or a related discipline from an accredited institution.

The Department of Computer Science and Engineering (<http://www.usf.edu/engineering/cse/>) has twenty-eight (28) tenure-track/tenured faculty members, eleven (11) instructors, seven (7) staff

members/advisors, and offers B.S., M.S., and Ph.D. degrees, serving nearly 2000 undergraduates, 120 masters, and 100 PhD students. The department has a strong working relationship with the Florida Center for Cybersecurity. Department ranks include twelve NSF CAREER awardees, one National Academy of Inventors (NAI) Fellow, four IEEE Fellows, four IAPR Fellows, three AAAS Fellows, and three AIMBE Fellows. The Computer Engineering graduate program was ranked 50th among US public universities by US News and World Report (2019). USF CSE is in the top sixth (rank 31) of Computer Science departments at U.S. public universities, according to most recent Academic Analytics data based on Scholarly Research Index. USF CSE faculty members have 31 issued patents, own seven copyrights, and have executed eight license/option agreements between FY12-FY16.

The College of Engineering at the University of South Florida is ranked at #55 among public institutions by U.S. News & World Report's 2019 engineering graduate school rankings. The college serves nearly 7,000 students, offering ten bachelor's programs, seven ABET-accredited, as well as 12 master's and eight doctoral degrees. The College is actively engaged in local and global research activities with \$36.4 million in research awards for the fiscal year 2017-2018. The College has 11 major research centers and institutes and is actively engaged in local and global research activities focused on sustainability,

biomedical engineering, computing technology and transportation.

The University of South Florida System is a high-impact, global research system dedicated to student success. In 2018, the Florida Board of Governors designated USF Tampa as a Preeminent State Research University, placing USF in the most elite category among the state's 12 public universities. With more than \$500 million in annual research expenditures, USF ranks 29th in the nation among public universities as reported by the National Science Foundation (2016). USF Tampa was ranked #19 among the "Best Universities for Technology Transfer, 2017" by the Milken Institute. USF ranks 1st in Florida, 5th in the nation among public universities and 12th world-wide for granted U.S. patents among all universities according to the Intellectual Property Owners Association/NAI (2017) and has ranked in the Top 10 among public universities for U.S. patents granted for the past eight years (2010-2017).

USF offers a first-class benefit package that includes medical, dental and life insurance plans, retirement plan options, tuition program and generous leave programs and more. Tampa Bay is home to 19 corporate headquarters with over \$1 billion in annual revenue, eight of which are Fortune 1000 companies. Tampa is also home to USSOCOM. Tampa is the nation's second-fastest-growing tech hub.

An application package should include a cover letter, curriculum vitae, statements describing research and teaching experience and goals, and the names

and contact information of at least three references. Applicants must electronically submit the application packet as one pdf file to the following website: <https://www.usf.edu/work-at-usf/careers/index.aspx> (**Applicants search Job Opening ID# 18627**). Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272.

University of Tennessee at Chattanooga

Department Head, Computer Science and Engineering

The Department of Computer Science and Engineering at the University of Tennessee at Chattanooga College of Engineering and Computer Science invites applications for the Department Head position with the successful applicant starting August 1, 2019.

The Department of Computer Science and Engineering offers degrees at BS, MS and PhD levels in Computer Science with concentrations in Cybersecurity and Data Science at all three levels, and Computer Science +X at the undergraduate level. The department also offers a BS degree in

Computer Engineering. The University of Tennessee at Chattanooga is recognized by the National Security Agency and Department of Homeland Security as a Center of Academic Excellence in Cyber Defense Education. UTC is also one of 72 CyberCorps institutions in the U.S. developing a future workforce in Cybersecurity. The program and activities of the department, along with the presence of the SimCenter: Center of Excellence in Applied Computational Science and Engineering, the Center for Urban Informatics and Progress, partnership with Oak Ridge National Laboratory, and strong community and industry support, present a unique opportunity for the successful candidate to lead the Department of Computer Science and Engineering to have greater regional and national impact. The department currently has 13 full-time faculty members and conducts active research on projects funded by the National Science Foundation, National Security Agency, National Institute of Health, and Department of Defense.

Job posting: https://ut.taleo.net/careersection/utc_faculty/jobdetail.ftl?job=18000001KN

University of Tennessee, Knoxville

Four (4) Tenure Track Faculty Positions In Computer Science, Computer Engineering, Or Electrical Engineering

The Department of Electrical Engineering and Computer Science (EECS) at The University of Tennessee, Knoxville is

seeking candidates for four (4) tenure track faculty members at the assistant or associate professor level. Applicants should have an earned Ph.D. in Computer Science, Computer Engineering, Electrical Engineering, or a related field. The department is expanding its teaching and research in the areas of (1) data analytics, machine learning, and artificial intelligence, (2) internet of things and mobile computing systems, including cybersecurity, cloud and fog computing, embedded systems, signal processing, and energy efficiency, and (3) VLSI circuits and systems, including digital design, analog/mixed signal circuits, and beyond CMOS technologies.

For detailed information and requirements of each position, apply at <http://www.eecs.utk.edu/people/employment/>

EECS is housed in a new \$37.5 million teaching and research facility completed in 2012. The department currently has an enrollment of more than 800 undergraduate and 250 graduate students, with a faculty of 45, and research expenditures that exceed \$17 million per year. EECS offers two undergraduate minors in cybersecurity and datacenter technology and management that were started in 2015. Successful candidates will be expected to contribute to the expansion of related educational and research activities. UTK is a leading research institution with strong research partnerships with organizations such as the nearby Oak Ridge National Laboratory (ORNL) where several UT faculty have joint positions or research ties.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA

institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

The University of Texas

Assistant, Associate, Full Professor (Tenure-Track)

The Department of Computer Science of the University of Texas at Austin invites applications for faculty positions at all levels (Assistant, Associate, Full Professor). Outstanding candidates in all areas of Computer Science will be considered, particularly in: computer vision, machine learning, quantum computing, cybersecurity, formal methods, systems and networking.

All tenured and tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment. Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students in research. The department is committed to building a diverse faculty and we are interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

The department is ranked among the top ten computer science departments in the

country. It has 44 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), and those in Computational and Applied Mathematics, Computational Biology, and Neuroscience.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as Amazon, Google, Dell, IBM Corp., Advanced Micro Devices, Apple Computer, Inc., Applied Materials, AT&T, National Instruments, Samsung, and 3M Corporation. For more information about the department, please visit <http://www.cs.utexas.edu>.

All faculty positions require a cover letter, current curriculum vita, research statement, teaching philosophy, and selected publications. Tenured faculty positions require six (6) reference letters. Tenure-track faculty positions require three (3) reference letters.

To apply for a tenured position on-line at <http://apply.interfolio.com/53747>.

To apply for a tenure-track position on-line at <http://apply.interfolio.com/53737>.

For full consideration of your application, please apply by December 15, 2018. Applications received prior to December 15 (including reference letters) will be reviewed immediately upon application submission. Early submission before November 15, 2018 is strongly encouraged. We anticipate inviting successful candidates whose applications are completed early to begin the interview

process as soon as their applications have been evaluated. Applications received after December 15, 2018 will be considered in total on a space available basis only. Inquiries about your application may be directed to faculty-search@cs.utexas.edu. The University of Texas is an Equal Opportunity Employer.

The University of Texas at Austin

Department Chair & Professor, Electrical and Computer Engineering

The University of Texas at Austin seeks an experienced and visionary academic leader for the position of Chair of the Department of Electrical and Computer Engineering (ECE). ECE is the largest department in The Cockrell School of Engineering, with over 1500 undergraduate and 600 graduate students and 60 full-time faculty. For more information on the department, please visit <http://www.ece.utexas.edu/>.

The Chair of ECE is expected to advance the department's mission by attracting and mentoring the highest quality faculty, expanding and broadening the Department's core and interdisciplinary research activities, initiating innovative educational programs both at the undergraduate and graduate levels, and fostering new collaborations and partnerships both on campus and with industry partners.

Requirements for this position include a Ph.D. degree in electrical and/or computer engineering, or related area, and an

active research program relevant to one of UT ECE's research areas - <http://www.ece.utexas.edu/research>. The successful applicant is expected to have an outstanding record of scholarly and technological contributions to the field, as well as proven leadership experience and administrative skills at a major research university. Qualified candidates will have the academic credentials to be appointed as a full professor with tenure.

The Cockrell School of Engineering has engaged Opus Partners to support the recruitment of this department chair. Applicants should submit a single PDF containing a C.V., a statement of interest, a description of significant research activities, and a concise summary of administrative experience to jennifer.rumain@opuspartners.net. Applications received by December 31, 2018 will receive full consideration.

The University of Texas at Austin is an Affirmative Action/Equal Opportunity Employer. The University Diversity and Inclusion Action Plan guides a wide range of programs designed to advance the University's objectives in diversity, inclusion, and equity. For more information, please visit <http://diversity.utexas.edu/actionplan/>.

The University of Texas at Austin is a tobacco-free campus; for more information visit <http://www.utexas.edu/tobaccofree/>.

University of Texas at Dallas

Tenured/Tenure-track Faculty Positions in Computer Science/Software Engineering

The Department of Computer Science at The University of Texas at Dallas invites applications from outstanding applicants for multiple tenure-track positions in computer science. Candidates in all areas of Computer Science will be considered though the department is particularly interested in areas of natural language processing, machine learning, data science, cyber security, and IoT. Candidates must have a Ph.D. degree in Computer Science, Software Engineering, Computer Engineering or equivalent. The positions are open for applicants at all ranks. Candidates for senior positions must have a distinguished record of research, publication, teaching, and service, and demonstrated leadership ability in developing and expanding (funded) research programs. An endowed chair may be available for highly qualified senior candidates. Junior candidates must show outstanding promise.

The department offers B.S., M.S., and Ph.D. degrees both in Computer Science and Software Engineering, as well as in interdisciplinary fields of Telecom Engineering and Computer Engineering. Currently, the department has a total of 53 tenure-system faculty members and 38 full-time senior lecturers. The department is housed in a spacious 150,000 square foot facility and has excellent computing equipment and support. The department houses a number of centers and

institutes, particularly in areas of cyber security, human language technology, and net centric software.

The university is located in the most attractive part of the Dallas metropolitan area. There are over 1,000 high-tech companies within a few miles of the campus, including Texas Instruments, Alcatel, Ericsson, Hewlett-Packard, AT&T, Fujitsu, Raytheon, Rockwell Collins, Cisco, etc. Almost all of the country's leading telecommunication's companies have major research and development facilities in our neighborhood. Opportunities for joint university-industry research projects are excellent. The department averages approximately \$9 million in extramural research funding annually putting it in the 37th rank nationally in the ASEE (2016) survey of research expenditures. The university and the State of Texas are also making considerable investment in commercialization of technology developed in university labs; a start-up business incubation center was opened in September 2011.

The CS Department has experienced very rapid growth in recent years. The university and the State of Texas are investing significant resources in the pursuit of excellence. We welcome inquiries.

To apply, please visit <http://jobs.utdallas.edu/postings/11200>

For more information, contact Dr. Gopal Gupta, Department Head, via email (gupta@utdallas.edu) or send e-mail to cs-search@utdallas.edu or view the Internet Web page at <http://cs.utdallas.edu>. The search committee will begin evaluating applications on January 15th.

The University of Texas at San Antonio Faculty Position in Computer Science

The Department of Computer Science at The University of Texas at San Antonio (UTSA) invites applications for **two open rank** (Assistant, Associate or Full Professor) positions, starting in Fall 2019. One position is targeted towards faculty with expertise and interest in artificial intelligence (AI). Outstanding candidates from all areas of AI will be considered, and preference will be given to applicants with expertise in cyber adversarial learning, AI for resource-constrained systems (such as IoTs and embedded systems), or AI (such as natural language processing, computer vision and deep learning) as it relates to health-related applications. The second position will consider outstanding candidates from all areas of computer science and special considerations will be given to candidates in the areas of data science, cyber security, quantum computing, programming languages and compilers, architecture, and systems.

See <http://www.cs.utsa.edu/fsearch> for more information on the Department and application instructions. Screening of applications will begin immediately. Application received by **January 2, 2019** will be given full consideration. The search will continue until the positions are filled or the search is closed. The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

Department of Computer Science
RE: Faculty Search
The University of Texas at San Antonio
One UTSA Circle
San Antonio, TX 78249-0667
Phone: 210-458-4436



Applications received on or before January 15th will get highest preference.

The University of Texas at Dallas is an Equal Opportunity Affirmative Action employer and strongly encourages applications from candidates who would enhance the diversity of the University's faculty and administration.

University of Texas Rio Grande Valley

Open-Rank Tenure-Track Faculty Position

The Department of Computer Science at the University of Texas Rio Grande Valley (UTRGV) invites applications for an open-rank tenure-track faculty position and a 3-year lecturer position in computer science to begin in Fall 2019. Please see full descriptions of the two positions at the following links.

Open Rank - <https://careers.utrgv.edu/postings/19689>

Lecturer - <https://careers.utrgv.edu>

University of Toronto

Multiple tenure-stream positions

The Department of Computer Science at the University of Toronto invites applications for multiple tenure-stream positions at the rank of Assistant Professor, starting July 1, 2019.

Areas of interest include, in the broadest possible sense:

- Computational Geometry
- Computer Systems
- Knowledge Representation and Reasoning
- Data Visualization – joint position with the Department of Statistical Sciences

- Data Science- joint position with the Department of Statistical Sciences
- Numerical Analysis- joint position with the Department of Mathematics
- Mathematical Aspects of Computer Science- joint position with the Department of Mathematics
- Sustainability and Climate Informatics - joint position with the School of the Environment

In addition, the Department of Mathematical and Computational Sciences, University of Toronto Mississauga (UTM) is hiring for one position at the rank of Assistant Professor in

- Robotics

The Department of Computer and Mathematical Sciences, University of Toronto Scarborough (UTSC) is hiring for two positions at the rank of Assistant/ Associate Professor in

- Computer Systems
- Machine Learning

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, 2019. Candidates should have a Ph.D. in the relevant field(s) as described in the individual ads posted at www.cs.toronto.edu by the date of appointment or shortly thereafter.

Evidence of excellence in research and teaching at the highest international levels is required. Excellence in research will be evidenced primarily by publications in top ranked field relevant journals, awards and accolades, presentations at significant conferences, and strong reference letters by referees of top international stature. Teaching excellence will be demonstrated by awards and accolades, teaching accomplishments as well as strong endorsements by referees.

Salaries will be commensurate with qualifications and experience, and is competitive with our North American peers.

Applicants should apply online AcademicJobsOnline, 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 November 15, 2018, and applicants should endeavor to have all materials submitted by then, however applications may be considered after this date.

For more information about the Department of Computer Science, see our website www.cs.toronto.edu or contact Sara Burns at recruit@cs.toronto.edu.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Utah

Assistant Professor, Lecturer

The School of Computing (SoC) at the University of Utah seeks applicants for the position of Lecturing Professor (at all ranks) beginning in the fall semester of 2019. 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 41 tenure-track and 7 lecturing professors who collaborate to offer a variety of undergraduate and graduate degree and certificate programs and is expected to grow significantly in the coming years. The SoC offers graduate and undergraduate degrees in computing, computer science and computer engineering, including a new masters degree in software development.

The qualifications of an ideal candidate include (i) a strong academic background in computer science or a related field (Ph.D. preferred but not required), (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 at the University of Utah is committed to broadening the participation in the field of computing and values candidates with diverse intellectual, cultural, and ethnic backgrounds, and who possess a strong commitment to improving access to higher education for historically underrepresented students. The School is also committed to addressing lifestyle priorities and is open to providing opportunities for spouses and significant others.

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/85928>

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

Tenure track faculty - all ranks

The School of Computing at the University of Utah seeks applications for tenure-track faculty at all ranks. The School will run a broad faculty search in all areas of computing and is seeking to fill 10-12 open positions. The School will give applicants with interdisciplinary backgrounds special consideration. Candidates are encouraged to apply early – applications will be evaluated starting in September 2018, and new applications will be considered, as appropriate, through spring of 2019.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the School and our current faculty can be found at <http://www.cs.utah.edu>.

The School of Computing at the University of Utah is committed to broadening the participation in the field of computing and values candidates with diverse intellectual, cultural, and ethnic backgrounds, and who

possess a strong commitment to improving access to higher education for historically underrepresented students. The School is also committed to addressing lifestyle priorities and is open to providing opportunities for spouses and significant others.

Candidates may apply through the following URL: <http://utah.peopleadmin.com/postings/82737>

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with appropriate notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.

University of Vermont

College of Engineering and Mathematical Sciences

Lecturer Position

We invite applications for a full-time lecturer in Computer Science, for a Fall 2019 start date. Qualifications include an MS or PhD in computer science or related field.

More information at <https://www.uvm.edu/cems/lecturer-computer-science>.

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



UVA ENGINEERING

**General Faculty, Computer Science
(Lecturer, Assistant, Associate, or Professor)**

The Department of Computer Science at the University of Virginia seeks applications for multiple teaching-track faculty, known as Academic General Faculty to begin in August 2019. 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 51 faculty, including 16 teaching faculty.

The department is committed to creating and benefiting from an environment where a diverse group of capable, inspired individuals interact and collaborate to learn and advance knowledge without barriers.

Candidates for a General Faculty position at the rank of Assistant, Associate or full Professor must have a PhD or equivalent experience in computer science or a related discipline. They must have an interest in and ability to teach a broad set of courses in our undergraduate curriculum. Course load will be two to three sections per semester consisting of a mix of upper- and lower-division courses. Graduate-level teaching will possibly be included. Faculty in professorial positions will have service responsibilities, and scholarship in computing or in CS education is expected for promotion. The department strongly values scholarship activities by General Faculty that have potential to advance computing education.

Candidates for a General Faculty position at the Lecturer, Senior Lecturer or Distinguished Lecturer rank must have a Master's degree or equivalent experience in computer science or a related discipline. Lecturers will usually teach two to three sections of core undergraduate courses but will also have the opportunity to teach more specialized upper-level courses. Lecturers may have fewer expectations for service activity, and will not be required to pursue scholarship.

These positions will have renewable three-year contracts. University policies insure that these positions benefit from opportunities for professional development. While these are not traditional tenure-track positions, there is a well-defined promotion path for these positions and documented criteria for job security. General Faculty receive departmental support for their teaching and scholarship activities.

To apply, visit: jobs.virginia.edu/applicants/Central?quickFind=85898. Complete a Candidate Profile online, and attach the following: a CV; a statement of teaching philosophy; contact information for 3 references; and, a cover letter that communicates why our teaching faculty position is a good match for your interests and career goals and why you are a good match for these education-focused positions.

Review of candidates will begin on November 23, 2018 and will continue until positions are filled.

For questions regarding the positions contact Tom Horton, Assoc. Department Chair, at horton@virginia.edu. For questions about the application process contact Savanna Galambos, Search Advisor, skh7b@virginia.edu.

For more information about UVA and the surrounding area visit <http://uvacharge.virginia.edu/guide.html>. UVA assists faculty spouses and partners seeking employment. To learn more visit <http://provost.virginia.edu/dual-career>.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff. 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.

University of Virginia

Open Rank Faculty Position in Modeling and Simulation at the Human-Technology Frontier

The School of Engineering and Applied Science at the University of Virginia (UVA) seeks applicants for an open rank tenure-track/tenured faculty position in the area of modeling and simulation at the human-technology frontier. We are seeking candidates who are committed to fundamental research enabling intelligent systems such as virtual humans and robots to seamlessly interact with humans. Interdisciplinary researchers across schools and institutes at UVA are creating translational human-in-the-loop technologies such as data-driven modeling of human behavior, immersive interactive teaching simulations, simulation-based training for medical professionals, game-based learning to improve cultural competence, and intelligent cognitive assistants for mental health.

To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85937.

The University of Virginia is an affirmative action/equal opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Virginia

Open Rank Modeling and Simulation

The University of Virginia (UVA) seeks applicants for open rank, tenured or tenure-track faculty positions in

Modeling and Simulation. To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85937 and submit a cover letter, CV, and contact information for three references. The positions remain open until filled.

The University of Virginia is an affirmative action/equal opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Virginia

Tenure Track/Tenured Open Rank in Human-Autonomy Collaboration

The School of Engineering at the University of Virginia seeks applications for an open rank tenured/tenure track position in Human-Autonomy Collaboration, which includes topics at the intersections between the disciplines of human-systems interaction, human factors, cognition, robotics, autonomy, artificial intelligence, and machine learning. Examples of relevant research areas include: machine models of human performance; design and analysis of systems that feature cognition, control, and decision making between humans and machines; cyber-human systems; social robotics; cognitive engineering; and virtual and augmented reality. Application domains of interest include but are not limited to: autonomous vehicles and transportation, robotics, health and medicine, privacy and security, digital manufacturing, environmental sustainability, smart cities, and generative design.

To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85649.

The University of Virginia is an affirmative action/equal opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Virginia

Open Rank Tenure/Tenure Track Faculty in Human Machine Interaction Computer Science

The Department of Computer Science at the University of Virginia seeks candidates for a tenured or tenure-track position with an emphasis on applicants having established and exceptional research records in Human Machine Interaction. Areas of interest include, but are not limited to, human computer interaction, human robot interactions, human factors, computer-supported cooperative work, and ubiquitous computing. Applicants whose research connects to cyber-physical systems and security are particularly welcome. Candidates will be expected to pursue high-impact scholarship, teach, and perform service for the University and professional organizations. Successful candidates will find a stimulating and nurturing academic environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. Rank is dependent upon qualifications.

A doctorate in an applicable field is required by the start date of the appointment. A commitment to graduate mentoring, teaching excellence, and diversity is essential. For a tenure-track

appointment, the applicant must have the potential to develop a high-impact research program. For an appointment with tenure, the applicant must have some teaching experience and have an established and exceptional reputation for conducting world-class research.

To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85665. Complete a Candidate Profile online, attach a cover letter, CV, teaching statement, research statement, 2 research papers that best represent the candidate's work (as Other 1 and 2), and the names and contact information for 3 references.

The review of applications will begin on November 15th, 2018 and the position remains open until filled.

For questions about these positions, please contact Professor Sebastian Elbaum, Search Chair, at selbaum@virginia.edu. For questions about the application process, please contact Savanna Galambos, Faculty Search Advisor, at skh7b@virginia.edu.

The University of Virginia is rated as one of the top 3 public universities in the nation and in the top 30 among all universities, public and private. The University is situated in the beautiful foothills of the Blue Ridge Mountains in the vibrant city of Charlottesville. More information about the city, schools, faculty benefits, and other topics can be found at: <http://uvacharge.virginia.edu/guide.html>.

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit <http://provost.virginia.edu/dual-career>.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff. 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.

University of Virginia

Open Rank Tenure/Tenure Track Faculty in Systems Computer Science

The Department of Computer Science at the University of Virginia seeks candidates for a tenured or tenure-track position with an emphasis on applicants having established and exceptional research records in Systems. Areas of interest include, but are not limited to, networks, compilers, operating systems, database systems, embedded systems, and programming languages. Candidates will be expected to pursue high-impact scholarship, teach, and perform service for the University and professional organizations. Successful candidates will find a stimulating and nurturing academic environment where innovative, interdisciplinary, and foundational research

is conducted in a collegial atmosphere. Rank is dependent upon qualifications.

A doctorate in an applicable field is required by the start date of the appointment. A commitment to graduate mentoring, teaching excellence, and diversity is essential. For a tenure-track appointment, the applicant must have the potential to develop a high-impact research program. For an appointment with tenure, the applicant must have some teaching experience and have an established and exceptional reputation for conducting world-class research.

To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85664. Complete a Candidate Profile online, attach a cover letter, CV, teaching statement, research statement, 2 research papers that best represent the candidate's work (as Other 1 and 2), and the names and contact information for 3 references.

The review of applications will begin on November 15th, 2018 and the position remains open until filled.

For questions about these positions, please contact Professor Sebastian Elbaum, Search Chair, at selbaum@virginia.edu. For questions about the application process, please contact Savanna Galambos, Faculty Search Advisor, at skh7b@virginia.edu.

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Charlottesville. More information about the city, schools, faculty benefits, and other topics can be found at: <http://uvacharge.virginia.edu/guide.html>.

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University of Virginia

Open Rank Faculty Positions in Cyber Security

The School of Engineering and Applied Science (SEAS) at the University of Virginia (UVA) seeks applicants for open rank, tenured or tenure-track faculty positions in Cyber Security. This search is part of a multi-year university-wide Cyber Security cluster-hiring initiative that will promote collaborative activity across SEAS and

UVA. Candidates may have an opportunity for appointments in multiple departments and schools and may seek an affiliated position in UVA's Data Science Institute.

All relevant areas of research will be considered, including, but not limited to: Cyber Resilience;

Behavioral Security; Foundations; Machine Learning in Cyber Security; Policy and Analysis;

Privacy; Secure Systems; Security and Privacy Applications.

For further information or to submit an application please visit jobs.virginia.edu/applicants/Central?quickFind=86210.

The University of Virginia is an affirmative action/equal opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Washington

Assistant or Associate Professors in the Paul G. Allen School of Computer Science & Engineering

Description

The University of Washington's Paul G. Allen School of Computer Science & Engineering has multiple tenure-track positions in a wide variety of technical areas in both Computer Science and Computer Engineering. Hires will be made at the Assistant (Tenure-track) and Associate (Tenure-eligible) Professor ranks, although individuals at more senior ranks with exceptional credentials may be considered. The positions would be full-time multi-

year appointments with 9-month service periods and with an anticipated start date of September 1, 2019. Our school offers a highly collegial and collaborative culture, with broad interdisciplinary research ties across campus. We are leaders both in core computing and computer engineering research, and in research that applies computer science to solve pressing world challenges in medicine and global health, education, accessibility, and developing world technology. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere.

We look forward to learning how the applicant's experience or future plans for teaching, research, and service would support our commitment to diversity and inclusion. The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers.

All University of Washington faculty engage in teaching, research, and service.

Qualifications

Applicants for tenure-track positions must have earned a doctorate (or foreign equivalent) in Computer Science, Computer Engineering, or related field, by the date of appointment.

Application Instructions

Applications received by December 15, 2018 will be given priority consideration. Applications will only be accepted via Interfolio.

Please provide pdf files for the following requested materials: your letter of application, a complete curriculum vitae, statement of research and teaching interests, a diversity statement, and your three most significant publications. You are also asked to provide contact information for four references. For any administrative issues or inquiries related to the search, please contact frc@cs.washington.edu. For technical issues, please contact Interfolio staff at 877-997-8807 or help@interfolio.com.

Apply Now: <https://apply.interfolio.com/53350>

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.

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

University of Washington

Tenure Track Assistant Professor(s) - UW Electrical & Computer Engineering

The Department of Electrical & Computer Engineering (ECE) at the University of Washington, Seattle invites applications

for multiple full-time tenure-track positions with a nine-month service period annually, from exceptional candidates with strong record of collaboration and creativity. Hiring will be made primarily at the tenure-track assistant professor levels with an anticipated start date of September 16, 2019. More information about the department, including background on our recent name change to ECE can be found at www.ece.uw.edu.

We seek outstanding candidates committed to developing scalable, integrated electronics and networked computing systems. Competitive candidates will have demonstrated strengths in the underlying fundamental science and technology and preferably a record of test-bed oriented experimental research (as demonstrated by any mix of system/sub-system level prototyping, emulation and software integration). Successful applicants will be able to articulate a next-generation application-oriented research agenda, with an emphasis on system design, driven by key performance indicators such as efficiency, robustness, and security. New hires will be expected to lead curricular innovation, mentor cutting-edge student projects, and interact with local research-intensive industries and a vibrant technology-driven entrepreneurial community. Areas of interest include but are not limited to: quantum computing, multi-agent (semi) autonomous systems, 5G-oriented wireless and photonics networks, cloud and data-center networking & computing, computational hardware systems for data-intensive applications, mmWave and THz imaging.

Applicants should have an earned Ph.D. in Electrical and Computer Engineering or related field (or foreign equivalent), evidence of ability to develop an independent research program, a strong commitment to both graduate and undergraduate teaching, and the potential to initiate and conduct research across disciplines and lead collaborations.

Apply online at apply.interfolio.com/55851 with a cover letter, full curriculum vitae, statements of research and teaching, three key papers, and the names of at least three references. A diversity statement from applicants is encouraged. Applications received by December 26th, 2018 will be given priority consideration and the ad will remain open till January 31st, 2019. Open positions are contingent on funding.

The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. The UW College of Engineering currently has 24.2% female faculty (ASEE 2017).

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

The University of Washington is committed to building diversity among

its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (<http://www.washington.edu/diversity/diversity-blueprint/>). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profile and responsibilities (<https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432>) And the University's Office for Faculty Advancement promotes the hiring, retention, and success of a diverse and inclusive faculty at the University of Washington (<http://www.washington.edu/diversity/faculty-advancement/>).

University of Washington

Assistant Professor of Human Centered Design & Engineering

Assistant Professor of Human Centered Design & Engineering (University of Washington): The Department of Human Centered Design & Engineering (HCDE) at the University of Washington seeks an individual dedicated to excellence in teaching and research programs to join our dynamic interdisciplinary intellectual community in 2019.

Please view details and apply using this link: <https://apply.interfolio.com/57463>

University of Washington

Lecturer or Senior Lecturer in the Paul G. Allen School of Computer Science & Engineering

Description

The University of Washington's Paul G. Allen School of Computer Science & Engineering has one or more full-time or part-time positions for Lecturers and Senior Lecturers. Lecturers and Senior Lecturers will be hired on multi-year appointments with a 9-month service period and with an anticipated start date of September 1, 2019. We seek candidates with a strong commitment to teaching and student mentoring. Although the University of Washington does not offer a path for tenure for these Lecturer positions, it does offer multi-year contracts and opportunities for promotion and advancement. All University of Washington faculty engage in teaching and service and may engage in outreach as well.

Our school offers a highly collegial and collaborative culture, with a range of teaching and curriculum-development opportunities in lower-division and upper-division courses for majors and non-majors. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere.

We look forward to learning how the applicant's experience or future plans for teaching and service would support our commitment to diversity and inclusion. The University of Washington

is a recipient of a National Science Foundation's ADVANCE Institutional Transformation Award to increase the advancement of women in academic science and engineering careers.

Qualifications

Applicants for lecturer positions must have earned at least a Master's degree or have relevant teaching experience.

Application Instructions

Applications received by December 15, 2018 will be given priority consideration. Applications will only be accepted via Interfolio.

Please provide pdf files for the following requested materials: your letter of application, a complete curriculum vitae, statement of teaching interests, and diversity statement. You are also asked to provide contact information for three (3) references. For any administrative issues or inquiries related to the search, please contact frc@cs.washington.edu. For technical issues, please contact Interfolio staff at 877-997-8807 or help@interfolio.com.

Apply Now:

<https://apply.interfolio.com/56864>

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

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment

without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.

University of Washington Bothell

Assistant Professor Computing and Software Systems

The Division of Computing and Software Systems (CSS) in the School of Science, Technology, Engineering, and Mathematics (STEM) at the University of Washington Bothell (UWB) invites applications for two tenure-track positions in CSS 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, 2019.

Faculty in this position will perform teaching, research, and service and will demonstrate a commitment to excellence in teaching and supporting and enhancing learning for diverse populations. This position may focus on, but is not limited to: Software Engineering (including related expertise in Programming Languages and Software Architecture), Machine Learning/Artificial Intelligence, and Cloud Computing. Duties will include teaching undergraduate and graduate courses in computer science and software engineering as well as developing new courses, supervising and attending capstone projects and presentations, and supervising Master's theses. Faculty are expected to publish high-quality

research and acquire external funding for their research. Faculty are encouraged to establish working relationships with local high-tech companies, other units at UW Bothell, the other UW campuses in Seattle and Tacoma, and other institutions in the region. Service includes division, school, and university committee work and participation in local, regional, and international professional organizations.

For additional information please review the full description here (<http://apply.interfolio.com/56960>)

University of Washington, Seattle

The Department of Electrical & Computer Engineering (ECE)

Invites applications for multiple full-time tenure-track positions with a nine-month service period annually, from exceptional candidates with strong record of collaboration and creativity. Hiring will be made primarily at the tenure-track Assistant and Associate Professor levels with an anticipated start date of September 16, 2019. More information about the department, including background on our recent name change to ECE can be found at www.ece.uw.edu.

We seek outstanding candidates committed to developing scalable, integrated electronics and networked computing systems. Competitive candidates will have demonstrated strengths in the underlying fundamental science and technology and preferably a record of test-bed oriented experimental

research (as demonstrated by any mix of system/sub-system level prototyping, emulation and software integration). Successful applicants will be able to articulate a next-generation application-oriented research agenda, with an emphasis on system design, driven by key performance indicators such as efficiency, robustness, and security. New hires will be expected to lead curricular innovation, mentor cutting-edge student projects, and interact with local research-intensive industries in a vibrant technology-driven entrepreneurial community. Areas of interest include but are not limited to: quantum computing, multi-agent (semi) autonomous systems, 5G-oriented wireless and photonics networks, cloud and data-center networking & computing, computational hardware systems for data-intensive applications, mmWave and THz imaging.

Applicants should have an earned Ph.D. in Electrical and Computer Engineering or related field (or foreign equivalent), evidence of ability to develop an independent research program, a strong commitment to both graduate and undergraduate teaching, and the potential to initiate and conduct research across disciplines and lead collaborations.

Apply online at apply.interfolio.com/55851 with a cover letter, full curriculum vitae, statements of research and teaching, three key papers, and the names of at least three references. A diversity statement from applicants is encouraged.

Applications received by December 26th, 2018 will be given priority consideration and the ad will remain open

till January 31st, 2019. Open positions are contingent on funding.

The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. The UW College of Engineering currently has 24.2% female faculty (ASEE 2017).

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The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (<http://www.washington.edu/diversity/diversity-blueprint/>). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profile and responsibilities (<https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432>) And the University's Office for Faculty Advancement promotes the hiring, retention, and success of a diverse and

inclusive faculty at the University of Washington (<http://www.washington.edu/diversity/faculty-advancement/>).

University of Washington, Tacoma

Lecturer, Full-Time- Cybersecurity and Leadership & Information Technology

The School of Engineering & Technology at the University of Washington Tacoma is seeking applications from qualified candidates for a full-time lecturer position for the Master of Cybersecurity & Leadership Program (MCL) program, with an emphasis on Cyber Risk Management, Cloud Computing/Cloud Security, IoT Security, Mobile Security, and Blockchains. This is a full-time, renewable position with an initial appointment of one to three years based on experience, beginning September 2019. Re-appointments are up to five years.

Complete position details can be found at <https://apply.interfolio.com/53684>

University of Waterloo

David R. Cheriton Chair in Software Systems

Full or Associate Professor with Tenure

David R. Cheriton School of Computer Science

Faculty of Mathematics

The David R. Cheriton School of Computer Science invites applications for one tenured Associate or Full Professor and corresponding research chair position.

The Cheriton Chairs were created to support world-leading research in traditional and

emerging areas of Computer Science and interdisciplinary fields. An outstanding researcher is sought for one endowed Cheriton Chair at the rank of Associate or Full Professor, with tenure. The chair includes substantial research support and teaching reduction. The successful applicant is expected to lead an innovative and high-impact research program, to engage actively in graduate student supervision, and to contribute to the overall development and reputation of the school. Candidates are expected to have an outstanding research record in Software Systems (very broadly defined). A PhD in Computer Science, or equivalent, is required. Rank and salary will be commensurate with experience; the salary range is \$150,000 - \$220,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. The expected start date for this position is July 1, 2019 though the actual start date is flexible.

The David R. Cheriton School of Computer Science is the largest Computer Science school in Canada, with 79 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://www.cs.uwaterloo.ca>.

To submit an application, please register at the submission site: <https://www.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 December 15, 2018.

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:

Professor Ken Salem
David R. Cheriton School of Computer Science
University of Waterloo
Waterloo ON N2L 3G1
Canada
cs-recruiting@uwaterloo.ca

The University of Waterloo regards diversity as an integral part of academic excellence and is committed to employment equity and accessibility for all employees. As such, we encourage applications from women, Indigenous (First Nations, Métis and Inuit) peoples, persons with disabilities, members of diverse gender identities, 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.” All qualified candidates are encouraged to apply; however, Canadians and permanent residents will receive priority in the recruitment process.

Three reasons to apply: <https://uwaterloo.ca/fauw/why>.

University of Waterloo

Executive Director, Institute for Quantum Computing (IQC)

The Institute for Quantum Computing (IQC) seeks to appoint a new Executive Director. This is a unique opportunity to shape the global future of quantum information science and engineering. Quantum information is an established strategic priority of both the University of Waterloo and the government of Canada. The Executive Director of IQC plays a critical role in the leadership of the Institute by setting its overall strategic direction, cultivating key external relationships, and ensuring that it delivers against its mandate. The Executive Director of IQC reports to the Vice President, University Research.

IQC is a multidisciplinary research center at the University of Waterloo, dedicated to the development and advancement of quantum information science and technology. Established in 2002, it spans the Faculties of Mathematics, Science, and Engineering, and today has an annual budget of approximately \$25 million and includes 30 faculty members and 40 postdoctoral fellows. IQC is exceptionally well outfitted for advancing quantum science and as a welcoming meeting place for researchers. It has 58,000 square feet of laboratory space in three facilities, including purpose-built laboratories for nano-fabrication, metrology, and ultralow vibration

experiments. IQC’s headquarters, the Lazaridis Quantum-Nano Centre, was designed to facilitate interactions and includes ample space for discussions and collaborative research. IQC offers a unique interdisciplinary graduate program in Quantum Information to approximately 150 students. It also runs outreach programs, including the USEQIP summer school for undergraduates and the Quantum Innovators workshop for aspiring faculty candidates.

IQC sits within the Quantum Valley ecosystem, with partners including the Perimeter Institute for Theoretical Physics and Quantum Valley Ideas Laboratory; more than 250 researchers work within 1km of IQC to advance the science, technology and commercial impact of quantum information. Investment in the Quantum Valley (governmental, industrial, philanthropic, and academic) now totals \$1.8 billion CAD, including the recent \$76 million CAD award by the Canada First Research Excellence Fund.

Attractive factors include stable funding, including an endowment of more than \$100 million CAD, the potential for significant faculty hiring (growth to 39 faculty members), and the established, internationally recognized excellence of IQC’s comprehensive and multidisciplinary approach to quantum information. In addition, the Executive Director will have significant start-up funding to establish their research program.

Exceptional candidates

The successful candidate will share the Institute’s core values for excellence in

teaching and research; will have a bold strategic vision for the future of quantum information science and engineering; and will continue to build IQC through shared enthusiasm with faculty, staff, students, government, and industrial partners. The successful candidate will be able to recognize excellence broadly across the disciplines that comprise quantum information, and will lead the Institute's academic program, maintain a vision for research, strengthen the Institute's research infrastructure, and lead its hiring of exceptional new faculty. In addition, the successful candidate will promote collaborative efforts, support faculty led initiatives, and advance the Institute's commitment to faculty, student, and staff member inclusion, openness of processes, and equitable hiring and research practices.

Candidates for the position of Executive Director of IQC are PhD- level senior scholars in quantum information with leadership practice and at least 10 years' experience in an academic setting. They must be a leading authority in quantum information broadly, and have a demonstrated ability to maintain a research program of the highest calibre. IQC offers an internationally competitive salary.

The term of the appointment is five years, with the potential for one-time renewal. The successful candidate will hold a professorial appointment in an appropriate discipline within the Faculty of Mathematics, Science, or Engineering and will retain that position at the conclusion of their directorship. It is

anticipated that the Executive Director will also be appointed to a position of Associate Faculty at the Perimeter Institute for Theoretical Physics.

Three reasons to apply: <https://uwaterloo.ca/faculty-association/why-waterloo>.

The review of applications will begin November 15, 2018 and will continue until the position is filled.

The University of Waterloo regards diversity as an integral part of academic excellence and is committed to employment equity and accessibility for all employees. As such, we encourage applications from women, Indigenous (First Nations, Métis and Inuit) peoples, persons with disabilities, members of diverse gender identities, 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". All qualified candidates are encouraged to apply; however, Canadians and permanent residents will receive priority in the recruitment process.

To Apply: Please send a curriculum vitae and a statement of interest in the position, in confidence, to Dr. Charmaine Dean, Vice-President University Research, at IQC.Search@uwaterloo.ca

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 Dr. Charmaine Dean, Vice-President University Research, at IQC.Search@uwaterloo.ca

University of Waterloo

Tenure-track and Tenured Faculty Positions

David R. Cheriton School of Computer Science

Faculty of Mathematics

The David R. Cheriton School of Computer Science invites applications for 10 tenure-track Assistant Professor positions, subject to budget approval. Tenured appointments at the Associate and Full Professor level are possible as circumstances warrant.

Excellent faculty members are sought who will enhance the school's strength in Computer Science. Priority areas include:

1. Artificial Intelligence (including Machine Learning and Natural Language Processing)
2. Computer Graphics
3. Human-Computer Interaction
4. Computer Security

As well, there are one or more positions that are open to all areas of Computer Science. 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 \$120,000 – \$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, 2019 though the actual start date is flexible.

The David R. Cheriton School of Computer Science is the largest Computer Science school in Canada, with 79 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://www.cs.uwaterloo.ca>.

To submit an application, please register at the submission site: <https://www.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 December 15, 2018.

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:

Professor Ken Salem
David R. Cheriton School of Computer Science
University of Waterloo
Waterloo ON N2L 3G1
Canada
cs-recruiting@uwaterloo.ca

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Three reasons to apply: <https://uwaterloo.ca/fauw/why>.

University of Western Ontario

Postdoctoral Research Fellow in Cryptoeconomics

The focus of the position is on conducting foundational research in the emerging

discipline of **cryptoeconomics**, which examines the protocols and incentives that govern the production, distribution, and consumption of digital goods and services within decentralized online platforms *The CryptoEconomics Lab* at Ivey Business School is a cutting-edge initiative, and builds upon the school's *Scotiabank Digital Banking Lab* and its interdisciplinary team of faculty members and graduate students. We welcome applicants who hold or are close to completion of a Doctoral degree (DPhil, PhD) in a range of disciplinary backgrounds, including (but not limited to) behavioral science, game theory, information theory, data science, and computer science.

More information: cryptoeconomics-lab.com

University of Wisconsin- Milwaukee

Northwestern Mutual Data Science Institute Professorship

Northwestern Mutual, Marquette University, and the University of Wisconsin-Milwaukee are partnering to create the Northwestern Mutual Data Science Institute (DSI). The Institute will build a technology ecosystem in southeast Wisconsin, advance this region as a national hub for technology, research, and business, and develop a pipeline of technical talent for this region. Its mission is to inspire and cultivate passion for data science through a unique partnership of academia and industry that galvanizes the brightest minds in the Milwaukee

Professional Opportunities

region to solve some of our world's most pressing problems, fuel wonder and intellectual curiosity, and inspire the next generation of data scientists. The vision of the Data Science Institute is to become a world-class institute that transforms our world through the power of data science. A significant component of this partnership agreement is an endowed professorship at each university. The \$40 million Northwestern Mutual Data Science Institute equipped with endowed professorships will enable additional research opportunities, promote student activities, and the hosting of events that bring attention to data science innovation and create a pipeline of talent for the area.

The person holding the Professorship will concurrently serve as the UWM Co-Director of the Institute and collaborate with the Co-Director of the Institute at Marquette University and Institute partners from Northwestern Mutual. The Co-Director will be deeply involved in the establishment of the DSI and its on-going operations, including facilitating participation by faculty with expertise in related disciplines. The Professor/Co-Director will be part of a core team at UWM that includes the Provost, Vice Chancellor of Development and Alumni Relations, and Vice Provost for Academic Affairs. The Co-Director will utilize a faculty advisory board that will assist in providing strategic direction, oversight of operations, the establishment of research priorities, and curricular and course proposal review. In partnership with the Co-Director of the Institute at Marquette University and Institute partners from Northwestern Mutual, this person will form and co-lead an Institute Steering Committee and an

Industry Advisory Committee. The Co-Director will be responsible for ensuring that UWM fulfills its responsibilities as provided in the Institute's governing documents. In their capacity as Co-Director, the person holding the Professorship shall report to the UWM Provost and UWM Chancellor.

Please visit <http://jobs.uwm.edu/postings/28220> for more information and to apply by 1/21/19.

UWM is an AA/EQ employer: All applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, sexual orientation, gender identity/expression, disability, or protected veteran status.

University of Wisconsin-Platteville

Chair of the Computer Science and Software Engineering (CSSE) Department

The University of Wisconsin-Platteville invites applications for Chair of the Computer Science and Software

Engineering (CSSE) Department to commence July 2019.

The successful candidate will provide vision and leadership for the department, enhance existing academic programs and develop new programs to meet the evolving needs of industry, particularly in the areas of cybersecurity, data science and the industrial internet of things.

For detailed information, see http://bit.do/UW-P_CSSE_Chair.

University of Wisconsin-Whitewater

*Assistant Professor,
Computer Science #14848*

Description: The Department of Computer Science at the University of Wisconsin-Whitewater invites applications for one full-time tenure track faculty position beginning August 2019. Responsibilities include teaching 12 credits (including undergraduate and graduate) per semester in computer science in



Computer Science Faculty

The University of Wisconsin-Platteville is seeking a full-time assistant/associate/full professor of computer science for an August 2019 start date.

Preference will be given to candidates with a strong software development, data science, machine learning, artificial intelligence, or cybersecurity background.

For detailed information, visit [Career Site](#) (or careers.uwplatt.edu).

College of Engineering, Mathematics and Science

100 Ottensman Hall | 1 University Plaza | Platteville WI 53818-3099
608.342.1561 | Fax: 608.342.1566 | emsdeansoffice@uwplatt.edu | www.uwplatt.edu/ems

support of the department's bachelor and master programs; maintaining an active program of scholarly development; and participating in grant writing and service activities including (but not limited to) advising students, program assessment, and curriculum development. Candidate is also expected to contribute to program development in cyber security. More information regarding the programs offered by the department can be found at <http://uww.edu/cs>.

Starting Date: August 2019

Qualifications/Application: <http://www.uww.edu/employment/academic-staff-instructional/posting?listing=1726>

Deadline: Applications received by January 14, 2019 are ensured full consideration. Applications received after that date may be given consideration at the discretion of the search committee. The most qualified applicants will be invited to participate in the next step of the selection process.

University of Wyoming

Assistant Professor - (18000015)

Job Description

The Computer Science Department (<http://uwo.edu/cosc>) at the University of Wyoming seeks applicants for a tenure-track Assistant Professor to start in August 2019. We are seeking to build in the cybersecurity area and are especially interested in blockchain technology, network security, anomaly detection, (differential) privacy, and cryptography. Exceptional candidates in all areas of

cybersecurity and those seeking more advanced ranks are also encouraged to apply. We are seeking individuals that will perform exciting, game-changing research. To enable new faculty to build their research labs, we offer generous startup packages, funding for multiple Ph.D. students, access to world-class supercomputing resources, and reduced teaching loads for pre-tenure faculty. Cybersecurity has been declared a priority area by the Governor of Wyoming, the University of Wyoming, the College of Engineering and Applied Sciences and the Computer Science Department. This effort has the highest levels of support from the University of Wyoming administration and Wyoming state government.

By the time new hires start, our department expects to be designated as an NSA/DHS Center of Academic Excellence in Cybersecurity. Cybersecurity hires will be instrumental in building a strong research program within the new Cybersecurity Education and Research (CEDAR) Center and Lab.

The Computer Science Department offers B.S., M.S., and Ph.D. degrees in Computer Science. Undergraduate programs are ABET accredited and include concentrations and certificates in Big Data, Cybersecurity, and Machine Learning.

The University of Wyoming is closely affiliated with the NCAR-Wyoming Supercomputing Center (NWSC) located 40 miles east of the University. The Advanced Research Computing Center (ARCC) at the University of Wyoming houses and supports a state of the art

computing cluster. Startup packages will include additions to the existing cluster or to the CEDAR Lab, as appropriate. Faculty at UW have tremendous computing resources at their disposal to conduct groundbreaking science.

Qualifications

Assistant professors shall normally hold the terminal qualification in their discipline (e.g., Ph.D., Ed.D., MFA, etc.), and shall have demonstrated ability, through appropriate experience, to perform the functions of the position they are to hold.

MINIMUM QUALIFICATIONS:

Candidates must have completed (or expect to complete by August 2019) a Ph.D. in Computer Science or a related area. Expectations for new faculty include: establishing a vibrant, externally funded research program, teaching at the undergraduate and graduate levels, advising students, and service to the department and/or college.

DESIRED QUALIFICATIONS:

Applicants should exhibit evidence for excellent research by a record of publications in high-quality venues.

REQUIRED MATERIALS:

Applicants should complete the online application and submit the following for a complete application: A curriculum vitae together with brief statements of research and teaching interests. Additionally, they should identify one or two top publications. Applicants need to arrange to have at least three reference

letters submitted to the Hiring Manager, James Caldwell at jlc@cs.uwyo.edu. To ensure full consideration, applications should be completed by December 10, 2018, though applications will be accepted until the position is filled.

HIRING STATEMENT:

UW is an Affirmative Action/Equal Opportunity Educator and Employer. We are committed to a multicultural environment and strongly encourage applications from women, minorities, veterans and persons with disabilities.

In compliance with the ADA Amendments Act (ADAAA), if you have a disability and would like to request an accommodation to apply for a position, please call 307-766-2377 or email jobapps@uwyo.edu.

Primary Location : US-WY-Laramie

Job : Academic

Unposting Date: Ongoing

University of Zurich

*PostDoc in Economics and Computation/
Algorithmic Game Theory*

The *Computation and Economics Research Group* at the Department of Informatics at the *University of Zurich* is inviting applications for **1 PostDoc in Economics and Computation/Algorithmic Game Theory**.

About you: We are accepting applications from all candidates with a PhD (or soon to finish) in the area of Economics and Computation/Algorithmic Game Theory. This includes candidates who have mostly done



Faculty of Medicine

The Faculty of Medicine of the University of Zurich invites applications for the following new academic position (starting August 1, 2019)

Professor for Digital and Mobile Health

The new professor will be responsible for promoting digital health research by establishing a competitive and highly visible research program in this field and actively contributing to the teaching of medical students and the advancement of young researchers.

In particular, this professorship will collaborate to the building of the Institute of Implementation Science in Health Care of the Faculty of Medicine (planned to start on August 1, 2019), together with the other professorships foreseen at this Institute. Strategically this Institute will ensure strong research and effective dissemination of knowledge, with the goal to promote the implementation of digital technologies in medical practice and health care.

The professorship will be closely associated with the Digital Society Initiative of the University of Zurich.

Applicants are required to have a Habilitation or equivalent degree, as well as experience in medicine, epidemiology and outstanding expertise in informatics, and they are familiar with the ethical, legal and health-political challenges of medical research. They are expected to have an outstanding, internationally recognized record of accomplishment in the field of digital and/or mobile health, supported by extra-mural research grants. Important qualifications for this position are excellent communication skills, positive experiences with interdisciplinary collaborations, a sense for pursuing overreaching goals, and the capacity to establish a wide local, national and international network with researchers and clinicians.

Advanced spoken level of the German language is not a prerequisite for this position.

The University of Zurich and the University Hospital Zurich are equal opportunity employers. The Faculty of Medicine implements specific measures in the selection process to increase the proportion of women with a faculty position.

Please submit your application for this position at <https://www.recruiting.med.uzh.ch/position/20414465> by 13.02.2019. Applications by mail or e-mail cannot be considered. For additional information, please contact the president of the search committee and Dean of the Faculty of Medicine, Prof. Dr. med. Rainer Weber, e-mail: rainer.weber@dekmed.uzh.ch, or the Vice Dean for Interprofessionalism, Prof. Dr. med. Claudia Witt, e-mail: claudia.witt@uzh.ch.

theory, AI, empirical or experimental work.

We offer: The salary is 82,000-90,000 Euro per year. The duration of the position is 1-2 years, but a further extension is possible.

More details about the position and the application procedure: <http://www.ifi.uzh.ch/en/ce/jobs/postdoc.html>

University of Zurich

*PostDoc in Machine Learning
(in ERC Project)*

The *Computation and Economics Research Group* at the Department of Informatics at the *University of Zurich* is inviting applications for **1 PostDoc in Machine Learning**.

About you: We are accepting applications from all candidates with a PhD (or soon to finish) who have a strong background in Machine Learning. The successful candidate will join the ERC project on "Machine Learning-based Market Design (MIAMI)", working with Prof. Dr. Sven Seuken and 3 PhD students.

We offer: The salary is 82,000-90,000 Euro per year. The maximum duration for this position is 3 years.

More details about the position and the application procedure: <http://www.ifi.uzh.ch/en/ce/jobs/postdoc.html>

The U.S. Naval Academy

Assistant/Associate/Full Professor

The U.S. Naval Academy invites applications for tenure-track positions in the Department of Cyber Science, beginning as early as January 2019 for the start of the Spring semester, or August 2019 for the Fall semester. The Cyber Science Department operates the Academy's growing cybersecurity education initiatives, including a rapidly growing, ABET-accredited cyber operations major, and a state-of-the-art building under construction to support multi-disciplinary cybersecurity education and research. The requirements of the position include teaching and developing undergraduate cyber operations courses and academic research. Candidates should have experience in technical areas such as systems security, network security, or SCADA systems. A Ph.D. or other terminal degree in a cyber technology-relevant field, which includes fields such as Computer Science, Information Technology, Computer Security, Computer Engineering, and Electrical Engineering is required.

For full details and application instructions see: <https://www.usna.edu/HRO/jobinfo/Cyber19.php>

Vanderbilt University

*Tenure-Tenure Track (T/TK) Faculty
Position in Computer Science*

THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (EECS) AT VANDERBILT UNIVERSITY is seeking

candidates for a tenured/tenure-track (T/TK) faculty position in computer science. Candidates of all ranks will be considered in data science, machine learning, data mining, visualization, computer vision, and/or artificial intelligence. Successful candidates are expected to teach at the undergraduate and graduate levels and to develop and grow vigorous programs of externally funded research. The Vanderbilt CS program provides a unique, collaborative, and interdisciplinary research environment. Candidates will be core members of Vanderbilt's recently established Data Science Institute, and will be expected to contribute to the research and teaching mission of the institute, and ideally to foster research collaborations with existing faculty across academic departments working on data science related topics.

Vanderbilt University has a strong institutional commitment to recruiting and retaining an academically and culturally diverse community. 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/55253>.

For more information, please see: <http://engineering.vanderbilt.edu/eecs>.

Applications will be reviewed on a rolling basis beginning November 1, 2018. The deadline is January 15, 2019.

Villanova University

Assistant Professor - Tenure Track

The Department of Computing Sciences at Villanova University seeks applicants for a tenure track position in Computer Science at the rank of Assistant Professor. The appointment will be effective in Fall 2019. Review of applications is ongoing and will continue until the position is filled. Potential candidates should have a Ph.D. or other terminal degree in computer science or a closely related field from an accredited institution.

The Department is committed to both scholarly research and teaching. Among its faculty members are internationally renowned scholars in theory of computation, virtual reality, algorithms, and digital libraries. The Department also features a robust research initiative in machine learning, including deep learning. Its faculty members collaborate closely with the Center of Excellence in Enterprise Technology, which uses a large CAVE for research in virtual reality.

Candidates for the position should demonstrate how they will maintain an active research agenda leading to high quality publications. They should also provide evidence of commitment to effective teaching at the undergraduate and graduate levels. Strong candidates from all areas will be considered. Applicants with background in database systems, big data, parallel systems, and high-performance computing are preferred. The Department encourages and supports faculty members interested in interdisciplinary teaching and research.

Applicants must apply online at <https://jobs.villanova.edu/>. The online application should include a letter indicating interests and suitability for the position, statement of research interests, statement of teaching philosophy, curriculum vitae, unofficial academic transcripts, and contact information for three references who will receive a secure link to upload a confidential letter of recommendation when you submit your application. Questions about the position can be directed to the search committee chair, Dr. Robert Beck at Robert.Beck@villanova.edu.

Villanova is a Catholic university sponsored by the Augustinian order. Diversity and inclusion have been and will continue to be an integral component of Villanova University's mission. The University is an Equal Opportunity/Affirmative Action employer and seeks candidates who understand, respect and can contribute to the University's mission and values.

Virginia Commonwealth University School of the Arts (VCUarts)

Assistant Professor of Design in Simulation, Spatial and Data Visualization

Department of Interior Design and Department of Graphic Design

Position F62360

Full-time 9-month tenure-eligible position beginning August 16, 2019

Application Deadline: Friday, January 11, 2019

The Opportunity:

The VCUarts Department of Interior Design (<https://arts.vcu.edu/>) in collaboration with the VCUarts Department of Graphic Design (<https://arts.vcu.edu/graphicdesign/>) invites applications from dynamic, collaborative-minded designers with qualifications, experience, and demonstrated strength working across the fields of simulation, visualization, spatial augmentation, data analysis, big data, IoT, GIS, complex systems, tangible interfaces, and spatial statistics.

The successful candidate will have expertise in the processes and methodologies that facilitate effective encoding of information visually, physically, and experientially to produce outcomes, artifacts and insight based on data gathering, analysis and interpretation. The faculty member will employ a wide range computational tools, creative technologies and systems needed to analyze, depict, and quantify data. Processing, analyzing and communicating information derived from data present ethical and analytical challenges for visualization, and the faculty must be able to examine and critically contribute to the ethical discourse in the field. The successful candidate will be able to help students facilitate an understanding and creative exploration of complex information, patterns, behaviors and systems.

VCUarts (<https://arts.vcu.edu/>) in Richmond, Virginia offers a variety of

graduate and undergraduate degrees in design, fine and performing arts, art history, and art education, with a unique emphasis on creative immersion. Far more than receiving simply an education or preparation for a career; students leave VCUarts with the practical, professional and personal skills needed to make a life in art and design, no matter how they define it. That's why VCUarts' programs emphasize both doing and knowing: why the majority of its faculty are working artists, designers, and scholars; and why they encourage students to take advantage of the many academic and intellectual opportunities that come with being part of a research university. Today, VCUarts graduates can be found throughout the academic and professional fields and have been recognized with everything from Emmys to MacArthur Fellowships.

VCUarts is accredited by the National Association of Schools of Art and Design, the National Association of Schools of Dance, the National Association of Schools of Music, the National Association of Schools of Theatre, the Virginia Department of Education, the Council for Interior Design Accreditation and the National Council for Accreditation for Teacher Education.

VCUarts is ranked as the #1 public university arts and design graduate school in the county by US News and World Report. The school is comprised of sixteen programs, includes more than 3,000 students, and has become known as a pillar of artistic creation and expression.

Its emerging artists explore their potential and strive for high standards set by faculty members acknowledged for their inspiration and achievement.

Major Responsibilities

This position is a 9-month tenure-eligible hybrid faculty position in the Department of Interior Design in collaboration with the Department of Graphic Design with an academic rank of Assistant Professor. Responsibilities include the development and teaching of new undergraduate courses in the collaborating departments, as well as across VCUarts in support of collaborative undergraduate and graduate curriculum. New course development and teaching will evolve from the faculty member's research strengths and interests, and evolving needs in the field.

The faculty member should be a passionate practitioner who models curiosity and rigorous optimistic engagement to students and fellow faculty. The faculty member will broaden participation among members of underrepresented groups. They will demonstrate through research, teaching, and / or public engagement the richness of diversity in the learning experience and will integrate multicultural approaches and perspectives into instructional methods and research tools. New course development and teaching will evolve from the faculty member's research strengths and interests, and evolving needs in the field.

VCUarts is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and

working in a multicultural and inclusive environment and strongly encourages applications from all racial/ethnic, gender and social identities. We are especially interested in candidates who combine their creative research with activism and entrepreneurship at the community, national or international level, with a focus on equity, diversity, social and racial justice and/or visual literacy.

The faculty member is expected to: provide leadership by mentoring student artists; foster collaborative curriculum and research across the arts and broader campus; promote methods to utilize and grow research and production facilities and other assets in support of research and teaching; secure external funding; and generate national and international academic, community and industry partnerships.

Teaching:

Teaching responsibilities include a deep commitment to effectively teaching design methodologies and theories of making and thinking to undergraduate and graduate students. The ability to relate contemporary tendencies in design practice to historical, theoretical and critical issues is essential. An aptitude for exploring the continuity between analog and digital contexts and bolstering the culture of energetic engagement of the school, as well as leadership in developing techniques designed to meet the needs of diverse learning styles and intellectual interests is also essential.

Research:

The faculty member will contribute to VCU's national reputation through scholarly

and creative activity that should contribute to a body of knowledge within design and reflect a high standard of quality and competence. To this end the faculty member will actively disseminate creative engagement in design research nationally and internationally. The faculty member will be required to have an established research agenda and a clear potential for external funding, as appropriate, and potential for scholarship or creative expression to complement and expand existing expertise in the department.

Service:

The faculty member will serve on Departmental, School and University committees as designated by the Chairs, and will maintain active involvement in national or international organizations and bodies. Engagement with community is strongly supported.

Qualifications:

Required:

- MFA or terminal degree in design or design-related field, which may include, but not limited to, experience in: Interior Design, Graphic Design, Product Design, Industrial Design, Experience Design, Computational Design or Architecture.
- Thorough record of meaningfully dissemination of work through well regarded creative research channels.
- Well-versed in the concepts driving design research, critique and speculative production, as well as the ability to relate contemporary trend in design practice to historical, theoretical and critical issues.

- Must be a passionate practitioner who models curiosity and rigorous optimistic engagement to students and fellow faculty.
- Demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member at VCU.
- Strong planning and project management skills.
- GIS familiarity.
- UI/UX experience.
- Familiarity with some combination of the following: Java, Python, Ruby, C++, Objective C, Javascript, C#, HTML / CSS, WebGL, Node.js, Processing.
- Experience with Piktochart, Venngage, Infogram, Visualize.me, Easel.ly, Canva, or similar.
- Familiarity with a range of allied technologies including scanning, sensors, and other data capture systems, as well as technologies used for AR/VR/MR and 3D immersive environment.

Preferred:

- Strong record of teaching at the undergraduate and graduate level.
- Demonstrable interest in developing productive connections across creative disciplines.
- Academic, research and/or professional experiences at urban research universities, Minority Serving Institutions (MSIs), Historically Black Colleges and Universities (HBCUs), or Hispanic-Serving Institutions (HSIs).

- Experiential learning through lived experiences and/or professional service that inform world views and/or perspectives about minority group status, to include race, ethnicity, gender, sexuality, religion, and disability.

Application Instructions:

To apply, please submit application materials via VCU eJobs at www.vcujobs.com. Only electronic applications submitted via eJobs will be accepted.

Application materials should be to the attention of Search Committee Chair. The following documents should be included:

- A Letter of Interest that conveys relevant academic and professional experience and describes experiences and/or professional service that inform world views and/or perspectives about minority group status, to include race, ethnicity, gender, sexuality, religion, and disability;
- Teaching Philosophy;
- Current CV;
- A list of three current references including names, addresses, phone numbers, and email addresses (references will not be contacted prior to applicant's approval); and
- Portfolio of work— visual documentation conceptualizing research and teaching, including examples of student work.

The Letter of Interest + Teaching Philosophy should be submitted as one PDF in the "Cover Letter/Letter of Application" section in eJobs; the CV + list of references should be submitted as one PDF in the "Curriculum Vitae (CV)" section of eJobs; and, due to file size

limitations, the portfolio of work should be submitted in the “Other Document” section of eJobs as an accessible link in a PDF that points to a website or cloud storage (with access instructions) to view all visual work.

Applications are due on Friday, January 11, 2019

To read more about VCUarts: <http://arts.vcu.edu>

Virginia Commonwealth University is committed to providing accessible and equitable living, learning and working environments free from discrimination and harassment based on race, color, religion, national or ethnic origin, age, sex (including pregnancy), political affiliation, veteran status, genetic information, sexual orientation, gender identity, gender expression or disability.

Virginia Commonwealth University

Assistant Professor of Design in Simulation, Spatial and Data Visualization

Virginia Commonwealth University
School of the Arts (VCUarts)

Department of Interior Design and
Department of Graphic Design

Position F62360

Full-time 9-month tenure-eligible position beginning August 16, 2019

Application Deadline:

Friday, January 11, 2019

The Opportunity:

The VCUarts Department of Interior Design (<https://arts.vcu.edu/>) in collaboration with the VCUarts Department of Graphic Design (<https://arts.vcu.edu/graphicdesign/>) invites applications from dynamic, collaborative-minded designers with qualifications, experience, and demonstrated strength working across the fields of simulation, visualization, spatial augmentation, data analysis, big data, IoT, GIS, complex systems, tangible interfaces, and spatial statistics. The successful candidate will have expertise in the processes and methodologies that facilitate effective encoding of information visually, physically, and experientially to produce outcomes, artifacts and insight based on data gathering, analysis and interpretation.

Required Qualifications:

- MFA or terminal degree in design or design-related field, which may include, but not limited to, experience in: Interior Design, Graphic Design, Product Design, Industrial Design, Experience Design, Computational Design or Architecture.
- Demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member at VCU.

To apply, read full position description and qualifications, visit: VCU eJobs at www.vcujobs.com. Only electronic applications submitted via eJobs will be accepted.

Virginia Commonwealth University is committed to providing accessible and equitable living, learning and working environments free from discrimination and

harassment based on race, color, religion, national or ethnic origin, age, sex (including pregnancy), political affiliation, veteran status, genetic information, sexual orientation, gender identity, gender expression or disability.

Virginia Polytechnic Institute and State University

Asst/Assoc/Full Professor in Dynamics, Control, and Estimation

The Kevin T. Crofton Department of Aerospace and Ocean Engineering invites applications for a tenure-track or tenured faculty position in dynamics, control, and estimation effective August 2019. The position requires a doctorate in engineering or a related discipline such as computer science, robotics, mathematics, or physics. The position will be filled at a rank commensurate with qualifications and experience.

The successful candidate will be able and willing to conduct scholarly research and teach graduate and undergraduate courses in the broad theme of dynamics, control, and estimation. Candidates with expertise that complements the strategic thrust areas described on the department website (www.aoe.vt.edu) are encouraged to apply. The search committee would especially welcome applications from candidates whose scholarship relates to cybersecurity; cyberphysical systems; networked multi-agent systems; control in adversarial environments; ocean, atmospheric, or space robotics and autonomy; or other, related aerospace and ocean engineering topics that are important for commerce and security.

The successful candidate will join an endowed department comprising about 3 dozen faculty members, 175 full-time graduate students, and 500 undergraduate students. The candidate may contribute to the department's existing collaborations with the Hume Center for National Security and Technology (www.hume.vt.edu), the Institute for Critical Technology and Applied Science (www.ictas.vt.edu) and the Center for Space Science and Engineering Research, or Space@VT (www.space.vt.edu).

Recognizing the importance of diverse teams of scholars, and Virginia Tech's role as the commonwealth's land grant university, the Aerospace and Ocean Engineering Department is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. We seek candidates who will adopt and practice the university's Principles of Community, which are fundamental to Virginia Tech's on-going efforts to increase access and inclusion and to create a community that nurtures learning and growth for all of its members. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, or veteran status; or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees, or applicants; or any other basis protected by law.



**VIRGINIA
TECH™**

COLLEGIATE ASSISTANT PROFESSOR
Department of Computer Science

The Department of Computer Science at Virginia Tech (cs.vt.edu) seeks applicants for two collegiate faculty positions at the Assistant Professor level. Candidates must have a Ph.D. in computer science or related field at the time of appointment. Successful candidates should give evidence of commitment to issues of diversity in the campus community. Collegiate faculty members have a primary commitment to the instructional mission of the department, including graduate and undergraduate teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Successful candidates should give evidence of potential to take a lead role in enhancing curricula and promoting teaching excellence. The collegiate faculty rank is a non-tenure-track position that offers a clear promotion path with increasingly long-term contracts. Collegiate faculty members are full members of the department faculty; in addition to teaching, they are expected to participate in research and scholarship, mentor graduate students, participate in department and professional service, etc. Candidates will have the opportunity to collaborate with a wide range of research groups in the department, including a thriving group in CS education research. Candidates with demonstrated knowledge of CS education research topics such as education-related software systems, analysis of student data analytics, CS education for non-majors or at the K-12 level, cybersecurity education, data science education, distance education, service or experiential learning, or diversity in CS are encouraged to apply.

The department has 53 teaching faculty, including 47 tenured or tenure-track faculty, over 950 undergraduate majors, and more than 250 graduate students. The department is in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 30th among all U.S. engineering schools (*US News & World Report*). Virginia Tech's main campus is located in Blacksburg, VA, in a region consistently ranked among the country's best places to live.

Applications must be submitted online to jobs.vt.edu for posting **#TR0180121**. Applicant screening will begin on November 26, 2018 and continue until the positions are filled. Inquiries should be directed to Dr. Dennis Kafura, Search Committee Chair, kafura@cs.vt.edu.

These positions require occasional travel to professional meetings.

Selected candidates must pass a criminal background check prior to employment.

Virginia Tech is an AA/EEO employer, committed to building a culturally diverse faculty; we strongly encourage applications from traditionally underrepresented communities.

For inquiries regarding non-discrimination policies, contact the Office of Equity and Access at 540-231-2010 or Virginia Tech, North End Center, Suite 2300 (0318), 300 Turner St. NW, Blacksburg, VA 24061.

Required Qualifications:

A Ph.D. degree in engineering or a related discipline such as computer science, robotics, mathematics, or physics is required.

The successful candidate for this position must be capable of initiating new research programs in areas that support the development of aerospace and/or ocean systems. The faculty member will be expected to help recruit, and then guide and mentor, graduate students to conduct research. The successful candidate will teach relevant Aerospace or Ocean Engineering subjects at both the undergraduate and graduate level.

Candidates must be strongly committed to working within a diverse population of students, faculty, and staff.

How to Apply for this Job:

Applicants must provide a cover letter, contact information for three professional references, a candidate statement discussing teaching, research, and professional goals, and a current CV. Prospective applicants who wish to obtain further information should contact: Dr. Craig Woolsey, Professor and Faculty Search Committee Chair, Kevin T. Crofton Department of Aerospace and Ocean Engineering (MC 0203), Virginia Tech, 460 Old Turner Street, Blacksburg, VA 24061, E-Mail: cwoolsey@vt.edu. Review of applications will begin December 1, 2018, and continue until the position is filled.

Applicants are required to apply online at <https://listings.jobs.vt.edu/login> and should use posting number TR0180126.

Virginia Tech

Collegiate Assistant/Associate/Full Professor, Electrical & Computer Engineering

Assistant/Associate/Full Professor

The Bradley Department of Electrical and Computer Engineering (ECE) at Virginia Tech seeks applications for two full-time, academic year, non-tenure-track Collegiate Faculty who will be members of the ECE Masters of Engineering (MEng) degree program. Areas of technical interest include, but are not limited to, cybersecurity, power engineering, autonomy and machine learning. The first position will be filled in the area of Machine Learning and will be located in Northern Virginia. The second position will be based in either Blacksburg, Virginia or Northern Virginia and is flexible with regard to technical area of emphasis.

Honors ECE Boeing Collegiate Assistant/Associate Professor

The Honors College and the Department of Electrical and Computer Engineering seek a versatile instructor with a background in electrical and computer engineering (ECE). This is a Collegiate Faculty position (non-tenure, renewable) at the rank of assistant or associate professor. This position is being supported by Boeing, the first founding industry partner of the Discovery Program, and the appointee will carry the title Boeing Collegiate Professor of the Calhoun Honors Discovery program. This position will be based in Blacksburg.

Please visit www.ece.vt.edu for complete information and the application process.

Washington State University

Clinical Teaching Faculty Position in Computer Science

The School of Electrical Engineering and Computer Science (EECS) at Washington State University (WSU) invites applications for a full-time clinical teaching faculty position in Computer Science. The position will be based at WSU main campus in Pullman, WA. Candidates with a Master's or PhD in Computer Science or a related discipline are sought. Preference will be given to candidates with prior teaching experience, curriculum development (classroom, online), leadership potential, industry experience/potential to foster industry partnerships, exceptional communication and interpersonal skills, and a commitment to diversifying the student body. The job duties of successful candidates include curriculum development; advising students; teaching undergraduate courses in computer science; interfacing with industry; participating in continuous teaching assessment activities; effectively communicating and interacting with students; supporting student recruitment activities; and collaborating with others within the School, the University, or other organizations.

The new faculty hired for this position will join approximately 50 existing faculty members in the School of EECS, which has experienced rapid growth in enrollment over the past four years. As of the fall of 2018,

around 1000 undergraduate students are enrolled in its B.S., and B.A programs, and 275 graduate students are enrolled in its M.S., and Ph.D. programs in computer science, electrical engineering, and computer engineering. EECS expects continued increase in enrollments and anticipates multiple faculty hires over the next two years.

Washington State University is one of the nation's top 50 public research universities in computer science according to U.S. News and World Report. WSU is among 108 public and private universities in America recognized with the "very high research activity" categorization and among 240 universities and colleges nationwide to earn the "community engagement" classification from the Carnegie Foundation. With a population of 33,000, Pullman is a quintessential college town—one of the top 10 in the nation according to MSN's 2012 report on the "Best College Towns in North America." Recognized by Bloomberg Businessweek as the "Best Place to Raise Kids" in Washington State, Pullman consistently boasts one of the top school districts in the state. Situated to the east of the Cascade Mountains, Pullman enjoys a dry four-season climate (21 inches of annual precipitation), with sunny, warm summers, relatively mild winters, and excellent access to outdoor recreational opportunities.

For more information about WSU and the School of EECS, visit our home page at www.eecs.wsu.edu.

Applications should include a cover letter indicating the position sought,

and summarizing qualifications. All applications should also include research and teaching statements, curriculum vitae, and contact information for three references. To apply, visit <https://www.wsujobs.com/postings/41879>. Application review is expected to begin January 1, 2019. It is anticipated that successful candidates will begin their appointments on August 16, 2019.

WSU is committed to excellence through diversity, has faculty friendly policies including a partner accommodation program, on-site childcare availability, and a NSF ADVANCE Institutional Transformation grant to increase the advancement of women faculty in science, engineering and math (see <https://advance.wsu.edu/initiatives/>). These open positions are part of WSU's priority to build a diverse faculty and, as such, female and minority candidates are strongly encouraged to apply. WSU is an EEO/AA/ADA educator and employer.

Wayne State University Department of Computer Science

Assistant/Associate Tenure-Track Faculty

Applications are invited for multiple tenure-track faculty positions at the assistant/associate professor level beginning in Fall 2019. While candidates with research expertise in computer systems (e.g., networked systems, cyber-physical systems, operating systems), high-performance computing, and cyber security will receive the strongest consideration, outstanding applicants

in other areas will also be considered. This search is primarily at the assistant professor level, but candidates with exceptional accomplishments will be considered for senior levels. Faculty candidates are expected to have a Ph.D. in Computer Science or a closely related field and to demonstrate potential for excellence in both research and teaching.

The Department of Computer Science has 23 tenured or tenure-track faculty members, with research strengths in the areas of Artificial Intelligence, Bioinformatics, Computer Systems (including Real-Time Systems and Cyber-Physical Systems), Data Science, Graphics and Visualization, Software Engineering, Wireless Networking, and Internet of Things. The research in the department is also highly interdisciplinary with active collaborations with faculty in medicine, engineering, and sciences and with local industry such as the Ford Motor Company and General Motors. The Department has four NSF CAREER recipients and external funding of over \$2M annually. The department currently has 75 Ph.D. students, along with 50 Master's students, and over 800 undergraduate majors. Further information about the department can be found at <http://www.cs.wayne.edu>.

The Department of Computer Science is in the College of Engineering. The College has an annual research expenditure of about \$20M. Information about the College of Engineering can be found at <http://engineering.wayne.edu>. Wayne State University is classified by the Carnegie Foundation for the Advancement of Teaching

as RU/VH (Research University, Very High research activity), a distinction held by only 3.5 percent of institutions of higher education in the United States. Wayne State University, in partnership with the University of Michigan and Michigan State University, has a key role in Michigan's University Research Corridor initiative (<http://urcmich.org/>) and is closely involved with TechTown, the area's business incubator (<http://techtownwsu.org/>). Located in the center of the U.S. automotive industry (e.g., within ~20 miles of the research centers of Ford and GM), with the largest single-campus medical school in U.S. and being a leading force in the revitalization of the City of Detroit, Wayne State University serves as an excellent campus for pursuing transformative research, education, and service initiatives.

Besides enjoying the beautiful fall scenery as well as winter skiing in Michigan, within a 20-mile radius of Wayne State campus, you will find several Metro Detroit suburbs that are consistently ranked in top 100 in Money Magazine's Best Places to Live.

Application Instructions

Applicants should submit a cover letter, statement of research and teaching, and curriculum vitae with contact information of three references. For full consideration, applications must be received by February 1, 2019.

Apply online at jobs.wayne.edu (position number: 044041). Nominations and inquiries should be directed to Prof. Loren Schwiebert at loren@wayne.edu.

Wayne State University is a premier, public, urban research university located

in the heart of Detroit where students from all backgrounds are offered a rich, high quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color, and other underrepresented people. Wayne State is an affirmative action/equal opportunity employer.

Wayne State University

Faculty Positions for Big Data in Science and Engineering

Wayne State University invites applications for multiple new tenured/tenure-track faculty positions as part of our multidisciplinary initiative in "Big Data". The intent of this initiative is to build on our existing strengths in research and curricula in Big Data and its applications in and implications for business, health, law, social sciences, arts, humanities, sciences and engineering.

We will recruit up to 9 faculty with complementary research and/or teaching interests in the following focus areas: Social Sciences, Business and Health; Arts and Humanities; Science and Engineering. This posting is for Science and Engineering (posting # 043924).

Examples areas of interest in Science and Engineering include, but are not limited to: computational, statistical and experimental approaches in big data; big data analytics in health care management,

urban environmental and sustainability research, genomics, supply chain management and information technology; improving learning technologies to support STEM education, training and problem solving; and critical perspectives on big data.

Review of applicants will commence immediately and continue until positions are filled. For best consideration, please submit curriculum vitae, cover letter, research statement, and up to three references by December 20, 2018.

Qualified candidates should submit applications to the Wayne State University Online Hiring System at <https://jobs.wayne.edu> referring to posting # 043924.

Wayne State University is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color, and other underrepresented people. Wayne State is an affirmative action/equal opportunity employer.

Wentworth Institute of Technology

Assistant Professor of Computer Science and Networking

The Department of Computer Science and Networking at Wentworth Institute

 **Worcester Polytechnic Institute**

Post-Doctoral Fellow, Computer Science

We seek to hire a post-doctoral researcher to join our research team, which includes faculty, several graduate students and a software engineer, for the DARPA-sponsored Warfighter Analytics using Smartphones for Health (WASH) project.

The ideal candidate will have a PhD in computer science or closely related field, with demonstrated background in statistical analysis, signal processing, machine learning and/or deep learning. Specific research tasks include:

- Feature engineering of smartphone sensor data
- Statistical modeling of personalized behavior typical of a smartphone user
- Detection of higher-order activity states from low-level signals
- Machine/Deep learning of robust outliers or deviations from normal, healthy behavior
- Inference of classes of diseases affecting a smartphone user
- Empirical study and evaluation of robustness of biomarker detectors

An interest in interdisciplinary research, in particular, in digital health, and a proven track record of high-quality research and academic excellence are expected. Experience analyzing smartphone sensor signals is desirable but not a must. Excellent written and verbal communication in English are required.

To apply, visit: <http://apptrkr.com/1338782>

GREAT MINDS at WORK

 **Worcester Polytechnic Institute**

Research Scientist

We seek to hire a research data scientist to join our research team, which includes faculty, several graduate students and a postdoctoral researcher, for the DARPA-sponsored Warfighter Analytics using Smartphones for Health (WASH) project.

The ideal candidate will have at least a Master's degree or preferably a PhD degree in computer science or a closely related field, with demonstrated experience in statistical analysis, signal processing, software development, machine learning, and deep learning, project management and big data analysis. An interest in interdisciplinary research, in particular, in digital health, and a proven track record of high-quality research or project work, software development and academic excellence are expected. Experience analyzing smartphone sensor signals is desirable but not a must. Excellent written and verbal communication in English are required.

To apply, visit: <http://apptrkr.com/1342912>

GREAT MINDS at WORK

 **Worcester Polytechnic Institute**

Professor - Mathematical Sciences

The successful applicant will be an acknowledged international leader in the area of systems biology, with an exemplary track record in research, funding, and education. The applicant must also be able to contribute to WPI's growing interdisciplinary programs, in particular to the Bioinformatics and Computational Biology program, of which the Department of Mathematical Sciences was a co-founder. The successful applicant is expected to assume a leadership role in the system biology research cluster, maintain a high-quality research program and contribute to the teaching mission of the institute both at the undergraduate and graduate levels.

The WPI Department of Mathematical Sciences invites applications for a senior position at the full professor level to begin in the fall of 2019. The broad focus is in the area of systems biology and biological networks. This position is part of a broad cluster hire initiative in systems biology at Worcester Polytechnic Institute, which has already resulted in junior hires in the past years. We seek candidates that use sophisticated analytical or computational techniques to determine emergent properties of complex systems. Possible areas of expertise include but are not limited to networks, multiscale modeling, control theory, dynamical systems, and stochastic modeling. The successful applicant will be an acknowledged international leader in the area of systems biology, with an exemplary track record in research, funding, and education. The applicant must also be able to contribute to WPI's growing interdisciplinary programs, in particular to the Bioinformatics and Computational Biology program, of which the Department of Mathematical Sciences was a co-founder. The successful applicant is expected to assume a leadership role in the system biology research cluster, maintain a high-quality research program and contribute to the teaching mission of the institute both at the undergraduate and graduate levels.

Founded in 1865, WPI is one of the nation's first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 70 research institutions by US News & World Report. The university is home to an innovative and intensive project-based curriculum that empowers students with the knowledge and skills to address real world problems around the globe. The Mathematical Sciences Department currently has 29 tenured/tenure-track faculty members, 8 postdoctoral scholars, and features active Ph.D. programs in Mathematical Sciences and in Statistics. The department offers bachelor's degrees in Mathematical Sciences and in Actuarial Mathematics, and master's degrees in Applied Statistics, Applied Mathematics, Financial Mathematics, and Industrial Mathematics (see <http://www.wpi.edu/+math>). The department has a strong reputation for its cutting-edge interdisciplinary research and for its successful programs addressing mathematical and statistical problems in industry. Located in the heart of New England, WPI is surrounded by cultural and recreational opportunities. The UMass Medical Center, a large number of technology companies and many colleges and universities are located in the immediate area making it ideal for two career families.

Applicants must have a Ph.D. in Mathematics, or in a related area, and must already be tenured at their current institution. A degree in the life sciences is a plus. Salary, benefits and start-up funding are competitive and commensurate with research experience and accomplishments. Qualified applicants should submit a detailed curriculum vitae, a statement of specific teaching and research objectives, and four letters of recommendation at least one of which addresses teaching experience or potential via mathjobs: <http://apptrkr.com/1322685>

Review of applications will continue until the position is filled.

GREAT MINDS at WORK

of Technology invites applications for two Assistant Professorships beginning August 31, 2019. Qualifications required of all applicants include a minimum of an M.S. in Computer Science or a related discipline, and a strong commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates with a background in cybersecurity, algorithms, artificial

intelligence, or data science, although candidates with any computational background are encouraged to apply.

To apply, please visit our online application site at <https://jobs.wit.edu/postings/4090>.

Wentworth is an AA/EEO employer. Women and minorities are encouraged to apply.

Yale University

Dean of the School of Engineering & Applied Science

Yale University invites applications and nominations for the position of dean of the School of Engineering & Applied Science (SEAS), a division within Yale's Faculty of Arts and Science (FAS). To learn more about this search and to read the

leadership profile, please visit <https://seas.yale.edu/about/seas-dean-search>.

All inquiries, nominations, and applications are invited. Applicants should e-mail a CV and detailed letter of interest to the Witt/Kieffer search consultants, Philip Tang and Suzanne Teer, at YaleSEASDean@wittkieffer.com.

For fullest consideration, applicant materials should be received as soon as possible and no later than January 31, 2019.

Yale University is an Affirmative Action/Equal Opportunity employer.

Yale University

*John C. Malone Endowed
Professor Positions*

The Yale School of Engineering & Applied Science invites qualified candidates to apply for the John C. Malone endowed chairs. We are conducting searches for multiple faculty positions at the rank of Professor (tenured) in the Departments of Biomedical Engineering, Chemical & Environmental Engineering, Computer Science, Electrical Engineering, and Mechanical Engineering & Materials Science. Anticipated appointment date for these positions would be June 2019 or January 2020. Outstanding individuals holding a PhD or an equivalent degree in the relevant field or a closely related discipline will be considered. The successful candidate will have a distinguished track record and is expected to develop a vibrant externally funded research program, to teach undergraduate and graduate courses,

and to advise graduate students. Applications should include a cover letter, CV, five representative publications, a description of research and teaching interests, and the names and email addresses of three references.

Please submit applications to the individual departmental links below. The departments will start reviewing applications on December 15, 2018 and will continue until all positions are filled. To ensure full considerations, please submit materials by April 30, 2019. Applicants with interdisciplinary research interests are encouraged to apply to more than one department.

Biomedical Engineering:
<https://apply.interfolio.com/56783>

Chemical & Environmental Engineering:
<https://apply.interfolio.com/57283>

Computer Science:
<http://apply.interfolio.com/57281>

Electrical Engineering:
<http://apply.interfolio.com/56790>

Mechanical Engineering &
Materials Science:
<http://apply.interfolio.com/57286>

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 under-represented minorities.

Yale University

Senior Lecturer or Lecturer

The Yale Computer Science Department invites applications for a position at the rank of Lecturer or Senior Lecturer, to start in the 2019-2020 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 <http://cpsc.yale.edu>.

A candidate should hold (or expect to receive by the end of 2019) a Ph.D. in computer science or a related discipline. The department will start reviewing applications on December 15, 2018 and will continue until the position is filled. Please apply at <http://apply.interfolio.com/57088>.

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

*Canada Research Chair (Tier 2) in
Electric Power Engineering*

The Department of Electrical Engineering and Computer Science at York University seeks to identify and nominate an excellent researcher for a Tier 2

Canada Research Chair in Electric Power Engineering. We are seeking an exceptional scholar recognized as an emerging or established international leader with expertise in Electric Power Engineering, including but not limited to applications of artificial intelligence in power system security, protection in modern power systems, smart grids, or electric vehicles. The successful candidate will be nominated for a Canada Research Chair with appointment at the level of Assistant or Associate Professor to commence July 1, 2019, subject to budgetary approval. You will have a PhD in Electrical Engineering, and a research record commensurate with rank.

For full position details, see <http://www.yorku.ca/acadjobs>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a signed cover letter expressing interest in nomination as a Canada Research Chair, outlining professional experience and research interests, and the rank for which you wish to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and names and contact information (full mailing address, phone number, e-mail address) of three people who have agreed to provide reference letters.

Complete applications must be received by **January 15, 2019**.

York University is an Affirmative Action employer and strongly values diversity, including gender and sexual diversity,

within its community. The Affirmative Action Program, which applies to women, Aboriginal people, visible minorities and people with disabilities, can be found at <http://acadjobs.info.yorku.ca/affirmative-action/> or by calling the AA office at 416.736.5713. All qualified candidates are encouraged to apply; however, Canadian Citizens, Permanent Residents and Indigenous peoples in Canada will be given priority.

Washington University in St. Louis

Tenure Track Faculty Position

The Department of Computer Science and Engineering at Washington University in St. Louis seeks outstanding tenure-track faculty to begin on or after July 1, 2019. Our department has been growing with plans to continue expanding in the coming years. We seek talented and highly motivated individuals who will build transformative research programs through work in the core disciplines of computer science and computer engineering, as well as through interdisciplinary collaborations. While exceptional candidates from all areas of computer science and engineering will be considered, we particularly welcome those with expertise in the theory and practice of data security, privacy, and safety in a world of connected resources and devices. We are interested in a diverse set of approaches to these problems, including multi-disciplinary approaches such as human-in-the-loop and data science. Candidates interested in exploring innovation

opportunities will also benefit from access to the Cortex Innovation Community that offers a vibrant ecosystem in support of entrepreneurial activities in the St. Louis area. Successful candidates should show exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates will be expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service. The department is also continuing its participation in a separate, large-scale recruiting effort of the School of Engineering and School of Medicine in the area of imaging. This effort, which started two years ago, expects to again recruit additional faculty in the imaging area this year.

Our faculty is engaged in a broad range of research activities. Key strategic themes include: tight integration of computation with the human and physical worlds, the extraction of knowledge from massive data sets, and the design of safe, secure, and scalable computing systems. The impact of our work is magnified through interdisciplinary collaborations throughout the School of Engineering, with colleagues in the sciences, arts, and humanities, and with our world-renowned School of Medicine. In particular, the department recently initiated a new inter-disciplinary Ph.D. program, jointly with the Brown School of Social Work and the departments of Political Science and Psychological and Brain Sciences, aimed at training students to apply modern computational and statistical methods to critical social science problems. Our doctoral graduates go on to leadership

Professional Opportunities

positions in both academia and industry. The department values both fundamental and applied research and has a strong tradition of successful technology transfer. Our faculty is known for its collegiality and for providing a supportive environment for new arrivals. Washington University is a private university with roughly 7,000 full-time undergraduates and 7,000 graduate students. It is nationally known for the exceptional quality of its student body and for its attractive campus, which borders residential neighborhoods and one of the nation's largest urban parks. Many faculty walk or bike to work. St. Louis combines a Midwest cost of living with a vibrant metropolitan area, offering a wealth of cultural and entertainment opportunities.

Appointments at the Associate or Full Professor level will be considered for candidates with commensurate experience and visibility. Applicants must hold a doctorate in Computer Science, Computer Engineering, or a closely related field. Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and contact information for at least three references) through AcademicJobsOnline at <https://academicjobsonline.org/ajol/jobs/12296>. Other communications may be directed to Prof. Roch Gu erin, Department of Computer Science and Engineering, Campus Box 1045, Washington University in St. Louis, One Brookings Drive, St. Louis, MO 63130-4899.

Diversity and Inclusion are core values at Washington University, and the strong

candidate will demonstrate the ability to create inclusive classrooms and environments in which a diverse array of students can learn and thrive.

Applications received by December 15, 2018, will receive full consideration. 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.