

COMPUTING RESEARCH NEWS



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

OCTOBER 2018 Vol. 30 / No. 9

CRN At-A-Glance

Candidates Sought for CRA Board of Directors:

The Computing Research Association seeks your help in recruiting candidates for its Board of Directors. We want individuals who have time, energy, initiative, and resources to work on CRA issues on behalf of the entire CRA community. We have a working Board, and all members are expected to work on community issues.

See page 2 for full article.

Nominations Open for 2019 CRA-E Undergraduate Research Faculty Mentoring Award

The CRA-E Undergraduate Research Faculty Mentoring Award honors faculty members in computing who have made a significant impact on students they have mentored. It recognizes those who have provided exceptional mentorship and undergraduate research experiences and, in parallel, guidance on admission and matriculation of these students to research-focused graduate programs in computing.

See page 3 for full article.



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Candidates Sought for CRA Board of Directors



The Computing Research Association seeks your help in recruiting candidates for its Board of Directors. We want individuals who have time, energy, initiative, and resources to work on CRA issues on behalf of the entire CRA community. We have a working Board, and all members are expected to work on community issues.

The Board provides the membership for various standing committees, including the Government Affairs, Conference at Snowbird, Taulbee Survey, Finance, and Elections committees. In addition, issues affecting computing research arise unexpectedly, and Board members must take the initiative and lead CRA's responses. Many CRA committees and initiatives involve year-round attention, regular conference calls, communications with lab directors and department chairs, proposal writing, and sometimes travel at the expense of the individual Board member.

The Board, as a whole, meets twice a year, with travel and hotel costs paid by the individual members. Board members serve staggered three-year terms. At the discretion of the Elections Committee and based upon a member's proactive service record during the expiring term, members wishing to stand for re-election may be included on the draft ballot. There is a three term limit. Candidates may nominate themselves by completing [this form](#). They do not need to be affiliated with CRA member organizations.

Recent board activities include:

- Working with the computing research community to envision the future of computing research
- Increasing the participation of women and minorities in computing research
- Thinking strategically about computing education and its impact on the research enterprise
- Testifying before Congress and meeting with policymakers to explain the role of computing and computing research
- Developing workshops on critical policy issues
- Planning the biennial CRA Conference at Snowbird
- Conducting the annual CRA Taulbee Survey

Important dates and events:

- The deadline for receipt of nominations is **November 30, 2018**. The Elections Committee will carefully consider all nominations, with the aim of a final ballot containing about twice as many candidates as there are open slots. Important criteria considered by the committee will include distribution of candidates and current Board members among member institutions, distribution among types and sizes of institutions, evidence of leadership, diversity, and evidence of interest in and capacity for service beyond that expected of all faculty members and researchers
- On January 11, 2019, the Elections Committee will announce the draft ballot. Additional names may be added by the CRA community (as described below)
- On February 1, 2019, nominations by petition are due. Each such nomination must be signed by the heads of at least five constituent member organizations that are current in dues payment. Current CRA members are listed at <http://cra.org/about/membership/member-list/>
- On February 8, 2019, final ballots will be distributed to all CRA department chairs and lab directors. Each will have one vote for each open slot on the board
- On February 28, 2019, completed ballots must be returned to CRA
- In early March, the election results will be announced.

Click [here](#) to fill out the nomination form. Additional information on CRA and its activities is available at <http://cra.org/about/>. Questions can be sent to elections [at] cra.org.

Nominations Open for 2019 CRA-E Undergraduate Research Faculty Mentoring Award



CRA-E

Computing Research Association
Education

The **CRA-E Undergraduate Research Faculty Mentoring Award** honors faculty members in computing who have made a significant impact on students they have mentored. It recognizes those who have provided exceptional mentorship and undergraduate research experiences and, in parallel, guidance on admission and matriculation of these students to research-focused graduate programs in computing.

Eligible nominees are full-time faculty members at North American academic institutions. Faculty members include tenured and tenure-track faculty, instructors, and professors of the practice. Current members of CRA-E are not eligible to be a nominee or to serve as a nominator. Nominations must be submitted by a faculty member or researcher in the computing field.

Nominations are due **Monday, November 26, 2018 by 5 PM (ET)**. Winners will be notified by early February 2019. Click [here](#) to view the 2018 award winners and [here](#) to view the FAQs.

The award is given annually, and multiple recipients may be awarded. The selection committee will give appropriate consideration to different types of schools and mentors at different stages of their careers. The awardees will receive travel support to attend the meeting at which they accept the award.

Evaluation criteria

The committee will evaluate the evidence of: undergraduate student mentoring during the most recent 10 years (being sensitive to the size of the program) including the number of students enrolling in research-oriented M.S. or Ph.D. programs; professional development provided to the students mentored; diversity of students; and impact and success of the students' research.

The 2019 selection committee includes:

Pat Morreale (Kean University), **Chair**
Eric Aaron (Colby College)
Chandra Krintz (UC Santa Barbara)
Denys Poshyvanyk (William & Mary)

CRA-E Graduate Fellows Program Accepting Nominations

The Computing Research Association **Education Committee** (CRA-E) is now accepting **applications** for the **CRA-E Graduate Fellows Program**. The program opportunities for Ph.D. candidates in a computing field to contribute to CRA-E projects, to network with computer science education advocates on the committee, and to engage in advocacy for mentoring undergraduate students and promote computer science research and undergraduate education at the national level.

CRA-E typically has two fellows and appoints one new graduate fellow per year with each fellow serving for two years in staggered appointments. Fellows serve as part of the committee, providing a graduate student voice. They attend the annual CRA-E meeting, serve on a CRA-E subcommittee related to their interests and expertise, manage the **research highlights series**, and contribute to the **CRA-E Conquer** site that provides resources for undergraduate research and graduate school.

CRA-E's two graduate Fellows for 2018 are Booma Sowkarthiga Balasubramani, a Ph.D. student in computer science at the University of Illinois at Chicago and Robert ("Rob") Bowden, a Ph.D. student in computer science at Harvard University.



Faculty members are invited to nominate one graduate student from their institution (but multiple nominations are permitted by distinct faculty members from the same institution) by collecting and submitting a nomination package that includes:

1. One faculty recommendation letter describing the student's interpersonal skills and evidence of interest in mentoring undergraduates. The letter should also state that the student is at least in the third year of a Ph.D. program and making satisfactory progress towards the degree.
2. The student's C.V. including research interests and accomplishments.
3. A one-page statement written by the student. The statement should describe the nominee's interest in the CRA-E Fellow position, experience mentoring undergraduates, and long-term aspirations.

More information for students and nominators is available at <http://cra.org/crae/activities/fellows/>. Nominations are due Monday, January 28, 2019 at 5 PM EST.

Please nominate a graduate student and encourage your colleagues to do so, too!

Computing Researchers Visit D.C. to Make the Case for Computing

By Brian Mosley, CRA Policy Analyst



On September 13th, 11 computing researchers from across the country visited Washington, D.C. to make the case for federally funded computing research. The volunteers, traveling from as near as Virginia and Pennsylvania, and as far away as Washington and Ohio, participated in nearly 30 House and Senate meetings. Their message to Congress was very simple: Federally supported computing research is vital to the nation's future. Using their own research and individual stories as support, and reinforced with additional information from CRA, they made the "Federal case" for computing to Members of Congress and their staff. Those Members of Congress now know more

about the expertise and interesting (and important) computing work that occurs in their districts and states, and our participants have a sense of just who represents them in Congress. And they've hopefully started a lasting dialogue on both sides.

If you would like to participate in a future Congressional Visit Day, or are in Washington, D.C. and would like to visit your representative's office, please contact Brian Mosley (bmosley@cra.org) in the CRA Government Affairs Office. CRA can provide expert training, messaging, and materials, and we would also be happy to accompany you to your Congressional meetings.

A Roadmap for Artificial Intelligence



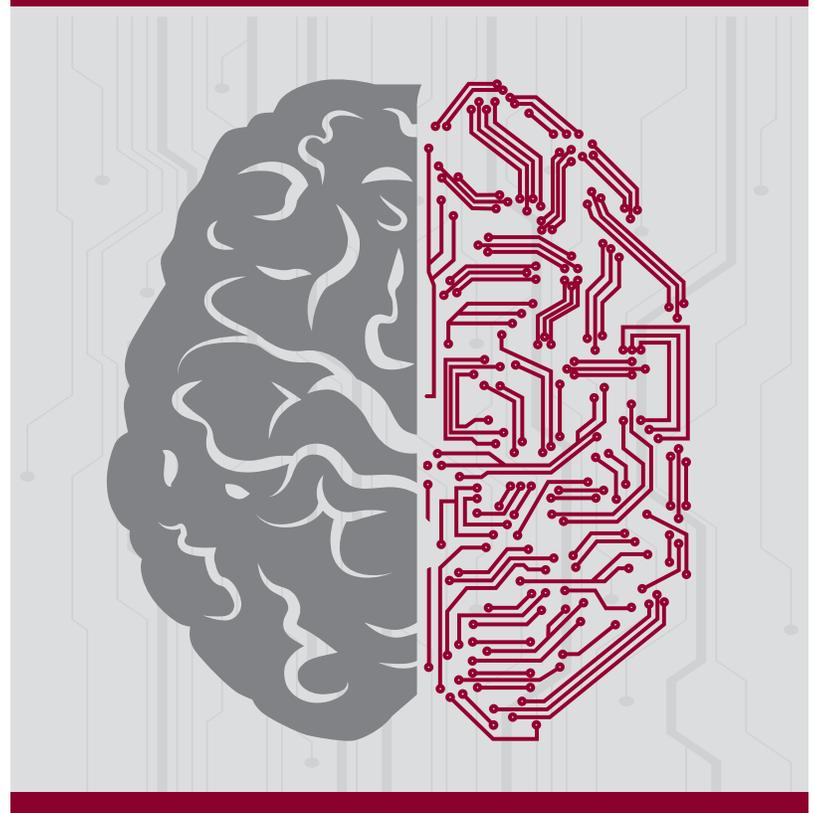
CCC

Computing Community Consortium
Catalyst

By Ann Drobnis, CCC Director

One cannot get through the day without some acknowledgment of Artificial Intelligence (AI), whether it's something in the news or a direct interaction with an AI system. However, as acknowledged by the White House (see quotes below), there is still much basic research to be done in the area.

The **Computing Community Consortium** (CCC) is announcing a new initiative to create a Roadmap for Artificial Intelligence, led by **Yolanda Gil** (University of Southern California and President-Elect of **AAAI**) and **Bart Selman** (Cornell University). This is in support of the Administrations' efforts in this area and will bring together academic and industrial researchers and federal agency representatives to help chart a course for needed research in AI. The plan is to hold a series of workshops in the Fall/Winter of 2018/2019, which will result in a Roadmap to be produced in the Spring of 2019. The goal of the initiative is to identify challenges, opportunities, and pitfalls, and create a compelling report that will effectively inform future federal priorities—including future AI R&D Investments, as highlighted by **National Science Foundation** (NSF) Director France Cordova in her **monthly address**. NSF Directorate for **Computing and Information Science and Engineering** (CISE) is supporting the initiative, and **Henry Kautz**, Division Director for Intelligent Information Systems (IIS) is helping to coordinate with the CCC.



From a recent **FedScoop Article**:

Michael Kratsios, U.S. deputy CTO and the current de facto head of the **Office of Science and Technology Policy**, said that while the administration is pushing for agencies to make AI a priority in their research and development spending, it also wants to partner that with the private sector and academia to help outpace competitors like China on development.

"The federal government spends about \$150-plus billion a year on R&D and it's critical that we prioritize AI as a research area," he said. "So actually getting agencies to be allocating dollars towards a specific research area is a little trickier than you would imagine. The best to do that is you have to send very strong signaling from the White House to agencies that they should be thinking or prioritizing AI."

But while the private sector can drive breakthroughs on the application side of R&D, Kratsios added that the federal government has to be the leader in promoting basic research into the core concepts behind AI technology by leveraging its national labs and providing research funding to the nation's colleges and universities.



Artificial Intelligence *(continued)*

“Our greatest inventions don’t happen because the president or an agency, by edict, decide that we shall do this. It is a collaborative, creative, free and open environment for scientific discovery,” he said. “You kind of see this zig-zag of progress through technology. It’s done through the creative, innovative spirit of America, rather than this top-down, heavy-handed industrial approach. For us, that’s what we are kind of doubling down on.”

In May, Kratsios and the White House hosted a **White House AI for American Industry Summit** with industry and academic stakeholders to discuss the future and promise of artificial intelligence. Then in June, the White House hosted the first meeting of the Interagency Select Committee on Artificial Intelligence (AI).

From the **Readout From the Inaugural Meeting of the Select Committee on Artificial Intelligence**:

The Select Committee was established under the **National Science and Technology Council** (NSTC) and is comprised of the most senior research and development (R&D) officials in the Federal Government.

At the meeting, the Select Committee discussed policies to prioritize AI research, better leverage Federal data and computing resources for the AI research community, and train the next generation of American AI researchers. The Select Committee discussed its overall scope and the ways it would work with and provide guidance to other AI-focused groups within the NSTC, such as the Subcommittee on Machine Learning and Artificial Intelligence, and the newly established **AI Interagency Working Group of the Networking and Information Technology Research and Development Program**.

At the conclusion of the meeting, the co-chairs of the Select Committee issued the following joint statement: Artificial intelligence has tremendous potential to benefit the American people, and continued U.S. leadership in AI is critical to our national security and economic competitiveness. Advances in AI are rapidly transforming nearly all aspects of our economic and occupational landscape, including how we navigate around our cities, manufacture goods and services, grow and distribute our food, respond to disasters and emergencies, conduct financial transactions, treat and prevent disease, and keep our nation safe. Delivering these benefits will require sustained Federal investment in AI research and a continued pipeline of technical talent. Over the coming months, our Select Committee looks forward to working with the broader AI research community to ensure that the United States remains the global leader in artificial intelligence.

The CCC is very excited to be a part of this initiative and is looking forward to working with all the different sectors to build a Roadmap for AI. If you are interested in being involved in this initiative, please **subscribe here** for announcements.

This effort is similar to one of the CCC’s first activities, the **Robotics Roadmap**, which helped to launch the **National Robotics Initiative** in 2011 and the subsequent **2016 Robotics Roadmap and NRI 2.0**.



CCC Deputy Director Position Open

The **Computing Research Association** seeks a highly motivated individual to serve as a Deputy Director for the **Computing Community Consortium**. The Deputy Director works with the CCC Director, Council Members, and the CRA staff to ensure that the CCC succeeds in its mission: to serve as a catalyst and enabler for the computing research community, to provide mechanisms for the community to identify compelling research visions for the future of the field and to articulate those visions to key stakeholders.

The Deputy Director provides backup to the Director in order to ensure that the CCC functions smoothly and effectively, and meets all of its contractual requirements in a timely and high-quality fashion.

This position receives direct supervision from the CCC Director while working primarily with the CCC Council Chair, Vice-Chair, Executive Committee, and Council. An ability to work independently and with significant autonomy is necessary. Innovation, imagination, organization, maturity, and judgment are vital to this position. The Deputy Director must be able to operate under pressure in a busy environment and maintain comprehensive control of a multitude of projects simultaneously while pushing all projects to timely completion and

providing continual updates on the status of each project. A strong interest in computing research and its impacts is important. The Deputy Director must be able to fill in for the Director, as needed.

As CCC is a cooperative agreement with NSF, the Deputy Director must understand CCC's role within NSF and CRA. This requires knowledge of how NSF operates, how it is organized, and the general NSF merit review process; it requires an understanding of CRA's many activities and committees and its place in the computing research community. It is critical to understand how the scientific community works in order to be able to convey the correct information to the community on upcoming proposals, webinars, and other opportunities.

Tasks (not exhaustive):

- Work closely with the CCC Director, Council Chair, Vice-Chair, Executive Committee, and Council to carry out CCC directions and priorities.
- Serve as a liaison between the computing research community and various partners from universities to industry contacts, maintaining connections and relations.
- Participate in CCC visioning efforts by attending workshops; ensure that outputs are timely and of high quality; help generate reports and publicity.

- Work to standardize CCC products for easier use by various consumers.
- Create positive press for the computing research community via blog entries, press releases, articles.
- Work with consultants to develop and place press items for the community.
- Work with Council members and universities to set up CCC roundtable discussions.
- Manage specialized projects.
- Support regular assessment and evaluation of CCC.
- Support CRA's mission by working with appropriate staff on a variety of programs and topics.

This is not a research position but an understanding of research is essential. It is a position working with and supporting the computing research community.

Desired background:

- Ph.D. in a technical area
- Experience working with the computing research community
- Research experience in a technical discipline (computing preferred)
- Experience working with high-level, non-technical people.
- Strong communication skills
- Demonstrated organizational and interpersonal skills

To submit an application for the position, please send a cover letter and resume to employment@cra.org.

Participants in the CCC Early Career Researcher Symposium Met Potential Collaborators for Future Research

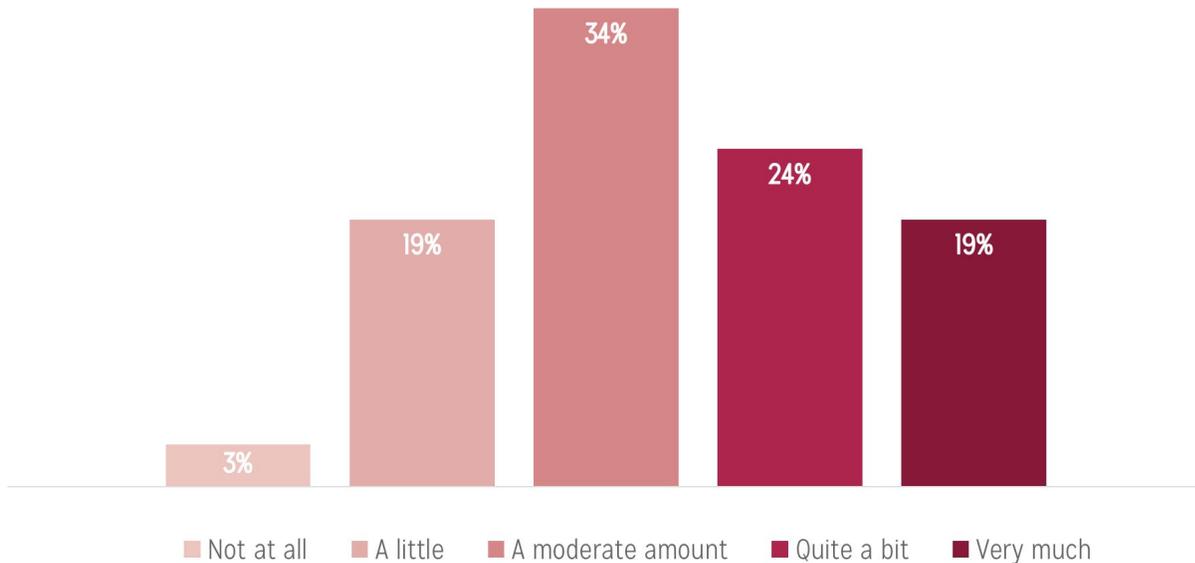


CERP

Computing Research Association
Evaluation

By Heather Wright, Associate Director of CERP

To what extent did you gain potential collaborators for your future work at the CCC ECR symposium?



In August, the CRA [Computing Community Consortium](#) (CCC) held the [Early Career Researcher \(ECR\) Symposium](#), a capstone event for the [CI Fellows program](#). Former CI Fellows, past and current postdocs, and early-career researchers in academia and industry were invited to join the CCC for a two-day workshop providing career advice, tips for getting involved in science policy, and discussions around emergent research visions.

Because the CCC's mission is to help drive innovation in the field, which includes connecting researchers with each other for future collaborations, participants were provided several opportunities at the symposium to network with peers and

senior leaders in the field from academia, industry, and government. To understand if participants took advantage of those opportunities, CERP distributed an online survey to participants immediately following the conclusion of the event.

Of the 73 researchers who attended the symposium, 58 participants completed CERP's survey (79 percent response rate). On a scale from (1) Not at all to (5) Very much, participants indicated the degree to which they gained potential collaborators for future work at the symposium. As displayed in the figure, nearly all participants believed they gained potential collaborators at least a little during the symposium.

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 CNS-1136996. 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.

CRA Board Member Highlight: Jaime Teevan

By Jaime Teevan



Jaime Teevan

Research shows that it takes 25 minutes to reach full productivity after an interruption, yet we are interrupted every 3 minutes. And even without external interruptions, our focus is fragmented. We look at any given desktop window for an average of only 40 seconds, constantly self-interrupting to check email or Facebook. We also try to complete multiple tasks at once, even though we all know that multitasking typically fails. Our tendency to be easily distracted kept our hunter-and-gatherer ancestors alive when they needed to attend to potential predators, but now, in the safety of our offices, it is amazing we manage to get anything done. Chances are you won't even read this entire article in one go.

Many of the chunks of time we have in a day are too short to bother trying to use productively. Think of the time you spend

waiting for a meeting to start, riding in an elevator, or standing in line. We waste this time on our phones, browsing the web or playing games, and yet these micromoments add up. People collectively spend 200 million minutes a day on Angry Birds alone. Just imagine what Angry Birds players could accomplish if they could leverage the small mobile bursts of effort they spend killing time to get something meaningful done instead.

People try to defrag their time by booking meetings with themselves, turning off their phones, and taking email vacations. But the research that I am conducting with Shamsi Iqbal and our fellow collaborators suggests that there is another way. Rather than fighting both our ancient nature and modern distractions by changing how we work, we can embrace fragmentation by changing our tasks to fit the way we actually do work. We call this *microproductivity*, in which large productivity tasks are broken down into a series of smaller microtasks that can each be completed individually.

People have attempted to accomplish large tasks by breaking them into manageable parts for millennia. The proverb "A journey of a thousand miles begins with a single step," is attributed to the 6th century BCE philosopher Laozi. But because we now have the ability to algorithmically support task decomposition, we can break tasks into much smaller pieces than previously imaginable.

Think, for example, of trying to write a blog post. The internet is littered with blogs with just two or three posts because it is hard to consistently find the necessary hours to write a new post. Take a microproductivity approach to writing, however, and it becomes easier. In your spare micromoments you can collect relevant ideas, adding snippets from articles you read, grabbing sentences from emails, and jotting down thoughts that pop into your mind. These ideas can then be organized into an outline using a series of microtasks that ask you to assign labels to the different ideas, which enables the underlying algorithm to infer a structure. Once the ideas are clustered into small groups, it is relatively straightforward to smooth the edges and create paragraphs for each group.

Board Member Highlight *(continued)*

Each of these writing microtasks, from ideation to labeling to merging a small number of ideas into paragraphs, takes less than a minute and requires almost no consideration of the entire post. Yet, collectively the microtasks produce a passable first draft. In fact, I have written a section of a published research paper this way. And writing isn't the only task that can be decomposed. Researchers have developed microtasked workflows for planning trips, searching for information, organizing large photo collections, and more. You already do something similar when you use TurboTax or an online will generator.

Better Work, Less Effort

Our research has shown that people work better via microtasks, producing higher quality work with less effort. Additionally, while interruptions interfere with a person's ability to complete a large task, they have almost no impact on a person's ability to do the same task via a series of microtasks. This is because interruptions are less disruptive when they occur at task boundaries, which are created when

a task is broken down, and because the context needed to resume the task is entirely contained within the next microtask. Small tasks are also easy to share, enabling a new way for people to collaborate on large tasks.

Of course, we don't yet know how to decompose every task, and some tasks will always require big picture thinking. The first draft of writing produced via microproductivity, for example, must be read carefully for cohesion. However, even when we need to immerse ourselves in a task, microproductivity can help us get started. Our research shows that starting a complex task with simple microtasks makes doing the more difficult aspects easier later. Microproductivity can even distract us from our distractions. Imagine if microtasks were interleaved in your Facebook feed. You could stop feeling guilty about checking Facebook at work and, after you got bored looking at your friends' baby pictures, the microtasks would help you re-engage with what you were actually supposed to be doing. By disrupting the way we work, we can use disruptions to our advantage.

About the Author

Jaime Teevan is chief scientist for Microsoft's Experiences and Devices, where she is helping Microsoft create the future of productivity. Previously, she was the technical advisor to Microsoft CEO Satya Nadella and a principal researcher at Microsoft Research AI, where she led the productivity team. Teevan has published hundreds of research papers, technical articles, books, and patents, and given keynotes around the world. Her research has earned her the Technology Review TR35 Young Innovator, Borg Early Career, Karen Spärck Jones, and SIGIR Test of Time awards. She holds a Ph.D. from MIT and a B.S. from Yale, and is an affiliate professor at the University of Washington.

Expanding the Pipeline: 2018 ACM Richard Tapia Celebration of Diversity in Computing Conference



By Jerri Barrett

The 2018 ACM Richard Tapia Celebration of Diversity in Computing Conference, presented by CMD-IT, was held September 19-22 in Orlando, Florida. The Tapia conferences bring together undergraduate and graduate students, faculty, researchers, and professionals in computing from all backgrounds and ethnicities to:

- Celebrate computing's diversity;
- Connect with others with common backgrounds, ethnicities, disabilities, and gender so as to create communities that extend beyond the conference;
- Obtain advice from and make contacts with computing leaders in academia and industry;
- Be inspired by great presentations and conversations with leaders with common backgrounds.



The 2018 Tapia conference theme was Diversity: Roots of Innovation. The theme reminds us to celebrate the historical role of diversity with respect to STEM innovation, and declare it as a standard, essential set of roots for computing innovation in the future. Conquering computing challenges going forward—while ensuring benefits across all global citizens—whether it is artificial intelligence, blockchain, cybersecurity, or

a range of other subjects, requires the resources, talent, and experiences from a diverse collective. Just as we have embraced risk-taking, perseverance, and creativity as cornerstones of innovation, organizations and society must treat diversity with the same reverence. This should be reflected in our leadership, strategies, and policies.

The 2018 Tapia conference broke attendance records with 1431 registered attendees, an increase of 20 percent over 2017. Of the attendees, 58 percent were students.

Tapia 2018 featured presentations, workshops, and birds-of-a-feather sessions presented by academic, national labs, and industry leaders. The featured talks included:

- “A Welcome Reception & Fireside Chat: Writing the Hitchhiker’s Guide to Autonomous Systems,” which included panelists Seraphin B. Calo, principal staff member, IBM Research; Ayanna Howard, Linda J. and Mark C. Smith Professor and Chair of the School of Interactive Computing, Georgia Tech; Jeff Ramos, general manager, The Microsoft Garage, and Hakim Weatherspoon, associate professor, Cornell University.
- Plenary speaker Shiri Azenkot, assistant professor of information science, Jacobs Technion-Cornell Institute at Cornell Tech, Cornell University, presented “Changing

Above, Top: Participants of the 2018 ACM Richard Tapia Celebration of Diversity in Computing Conference. Above, Bottom: Shiri Azenkot (Cornell University) during her plenary speech.



Expanding the Pipeline *(continued)*

the Way We See Things: Designing Technology for People with Low Vision.”

- Plenary speaker Ronald Perez, Intel fellow and technical lead, Data Center Group at Intel Corporation, delivered a talk titled “Confidential Computing: Beyond Protection of Data at Rest and Data in Motion.”
- The Ken Kennedy Distinguished Lecture was given by Moshe Y. Vardi, George Distinguished Service Professor in Computational Engineering & Director, Ken Kennedy Institute for Information Technology at Rice University, called “Humans, Machines, and Work: The Future is Now.”

Tapia 2018 also featured a career fair with more than 114 supporting organizations including leading academic institutions, technology companies, and government labs. Platinum supporters included AnitaB.org, Caltech, Carnegie Mellon University, Cornell Computing and Information Science, Georgia Tech College of Computing, IAAMCS (I AM CS), LinkedIn, Microsoft, MIT Lincoln Laboratory, Mozilla, North Carolina State University, Rice University, Stanford University, Two Sigma, UC Berkeley, and University of Michigan. Our platinum government participant was the National Science Foundation.



On Thursday September 20th, CMD-IT awarded the University of North Carolina Charlotte (UNC Charlotte) the second annual CMD-IT University Award for Retention of Minorities and Students with Disabilities in Computer Science. The CMD-IT University Award recognizes U.S. institutions that have demonstrated a commitment and shown results for the retention of students from underrepresented groups in undergraduate computer science programs over the last five years. The award, sponsored by Microsoft, is focused on the following underrepresented groups: African-Americans, Native Americans, Hispanics, and persons with disabilities. The award included a \$15,000 cash prize.

The CMD-IT University Award decision was based on UNC Charlotte’s impressive quantitative reported results, which reflected high retention and graduation rates and qualitative reporting on their



various retention programs. In particular, UNC Charlotte highlighted the following programs as directly impacting retention:

Implementation of the Connected Learner program. The program focuses on connecting students to peers, the profession, and the community. The Connected Learner program builds a sustainable practice of educational innovation across the undergraduate computing curriculum by increasing faculty awareness of teaching

Above, Top: Speakers Valerie Taylor (CMD-IT CEO & President) and Joel Branch (Tapia Program Chair) join students for the Student Development Workshop. Above, Bottom: Valerie Taylor (CMD-IT CEO & President) and Tao Xie (Tapia General Chair) present the CMD-IT University Award for Retention of Minorities and Students with Disabilities in Computer Science to the University of North Carolina Charlotte. Also pictured: Jennifer Chayes of Microsoft (center).



Expanding the Pipeline *(continued)*

innovations, resources for pedagogical change, and support for teaching practices that engage students.

Establishing multiple new scholarship programs that focus on promoting economic mobility and seek to diversify the student populations.

Computing outreach to K-12 through the STARS program (Students in Technology, Academia, Research and Service). Since 2006, the College of Computing and Informatics (CCI) students have provided community outreach programs to 2,400 K-12 students.

The CCI has been awarded a National Science Foundation CISE REU Site since 2006 in which their labs host 10-15 undergraduate researchers each summer. The program's goal is to recruit, retain, and prepare a more diverse student population for graduate programs in computing.

Creation of a task force by the CCI dean to measurably increase undergraduate diversity. Retention strategies include programs such as a peer tutoring, corporate mentoring, peer mentoring, and the acquisition of dedicated meeting spaces for women and underrepresented minority student organizations.

Implementation of Improvisation Workshops to address bias and microaggressions in classroom and lab environments.

"CMD-IT is pleased to award the University of North Carolina Charlotte with the CMD-IT University Award. Their commitment to the retention of underrepresented



minorities and people with disabilities through the implementation of innovative and effective programs is having a measurable impact," said Valerie Taylor, CMD-IT CEO and president.

In her acceptance speech, Der Vang, director of mentoring at UNC Charlotte said, "I am honored to have been asked to receive the CMD-IT University Award on behalf of UNC Charlotte's College of Computing and Informatics. At CCI, we work every day to set a high standard for inclusivity and diversity across our entire community. This award, though it recognizes what we have done, also serves as a reminder that our journey is just beginning. We look forward to a day when such acknowledgement is no longer needed, when the word 'diversity' recedes into the background of what is just "normal" and expected. Thank you to CMD-IT and Microsoft for helping

spearhead a cultural shift in our industry that will make us all stronger, better and more innovative."

The University of North Carolina Charlotte presented details of their programs at the Friday, September 21st Faculty Workshop at Tapia 2018.

Tapia 2018 closed with a gala featuring banquet speaker Shirley Malcom, head of education and human resources programs at AAAS. Malcom inspired the attendees with details about the new AAAS SEA Change program, whereby AAAS is working with colleges and universities to create institutional systems to improve the outcomes and opportunities for

Above: Ayanna Howard (Georgia Tech) receives the Richard A. Tapia Achievement Award for Scientific Scholarship, Civic Science and Diversifying Computing from Valerie Taylor (CMD-IT CEO & President) and Richard Tapia (Rice University).



Expanding the Pipeline *(continued)*

underrepresented groups in STEM. Malcom concluded by challenging attendees to continue to engage with the communities established at Tapia.

During the banquet, awards were bestowed on the winners of the Tapia poster competition and the ACM Student Research Competition. In addition, the Richard A. Tapia Achievement Award for Scientific Scholarship, Civic Science and Diversifying Computing was presented to Ayanna Howard, the Linda J. and Mark C. Smith Professor and chair of the School of Interactive Computing at the Georgia

Institute of Technology. The Richard A. Tapia Award is awarded annually to an individual who demonstrates significant research leadership and strong commitment and contributions to diversifying computing.

“Ayanna Howard has been a leading innovator and researcher in the fields of robotics, computer vision, and artificial intelligence,” said Valerie Taylor, CMD-IT CEO and president. “Applications of her work have included the development of assistive robots in the home, therapy gaming apps and remote exploration

of extreme environments. Throughout her career she has focused on bringing girls, underrepresented minorities, and people with disabilities into computing through programs related to robotics. Ayanna’s focus on engaging people with disabilities resulted in the creation of Zyrobotics, LLC., which provides inclusive mobile technologies that make learning accessible.”

The conference concluded with the announcement of the Tapia 2019 conference, which will be held September 18-21, 2019 in San Diego, California.

About the Author

Jerri Barrett is the director of social media for the Center for Minorities and People with Disabilities in IT (www.CMD-IT.org).

Applications Open for 2019 Graduate Cohort Workshops



We will again host two Graduate Cohort Workshops in 2019. The **CRA URMD Grad Cohort Workshop** is designed specifically for underrepresented minorities in computing and persons with disabilities in graduate school in computing fields. The **CRA-W Grad Cohort Workshop** is designed for women students in their first, second, or third year of graduate school in computing fields. The workshops will include a mix of formal presentations, informal discussions and social events. By attending Grad Cohort, participants will be able to build mentoring relationships and develop peer networks that are intended to form the basis for ongoing activities during their graduate career and beyond. **Both applications are open now and will close on November 15.**

These workshops are generously funded by sponsors from industry, academia, the National Science Foundation, CRA, and the computing community.

Please encourage your eligible graduate students to apply today! Details are below.

CRA URMD Grad Cohort Workshop Details

Date and Location:

March 22-23, 2019 in Waikoloa Village, HI.

Application Period:

October 1 – November 15, 2018. Click [here](#) to apply.

Eligibility: Master's and Ph.D. computer science and engineering students who are attending an institution in the U.S. or its territories, or an institution in Canada. Applicants from underrepresented groups in computing will be given priority (Alaska Native, Black/African American, Hispanic, Native American, Native Hawaiian and other Pacific Islander, and/or Persons with Disabilities).

CRA-W Grad Cohort for Women Workshop Details

Date and Location:

April 12-13, 2019 in Chicago, IL.

Application Period:

October 1 – November 15, 2018. Click [here](#) to apply.

Eligibility: Women students in their first, second or third year of graduate school in computer science and engineering or a closely related field, who are attending an institution in the U.S. or its territories, or an institution in Canada. Students who have not previously attended a Grad Cohort Workshop will be given priority.

CRA Member Benefits: CRA member departments receive priority acceptance to this workshop as well as a preferred CRA member rate if they elect to support additional eligible graduate students from their department who have applied. Another exclusive benefit to CRA members is the academic version of the CRA-W Grad Cohort Graduating Class directory. It includes information about recent CRA-W Grad Cohort Alums who are nearing graduation and are either M.S. graduate students looking for Ph.D. programs or Ph.D. students looking for faculty positions.

Announcements

Are You Working on the Taulbee Survey?

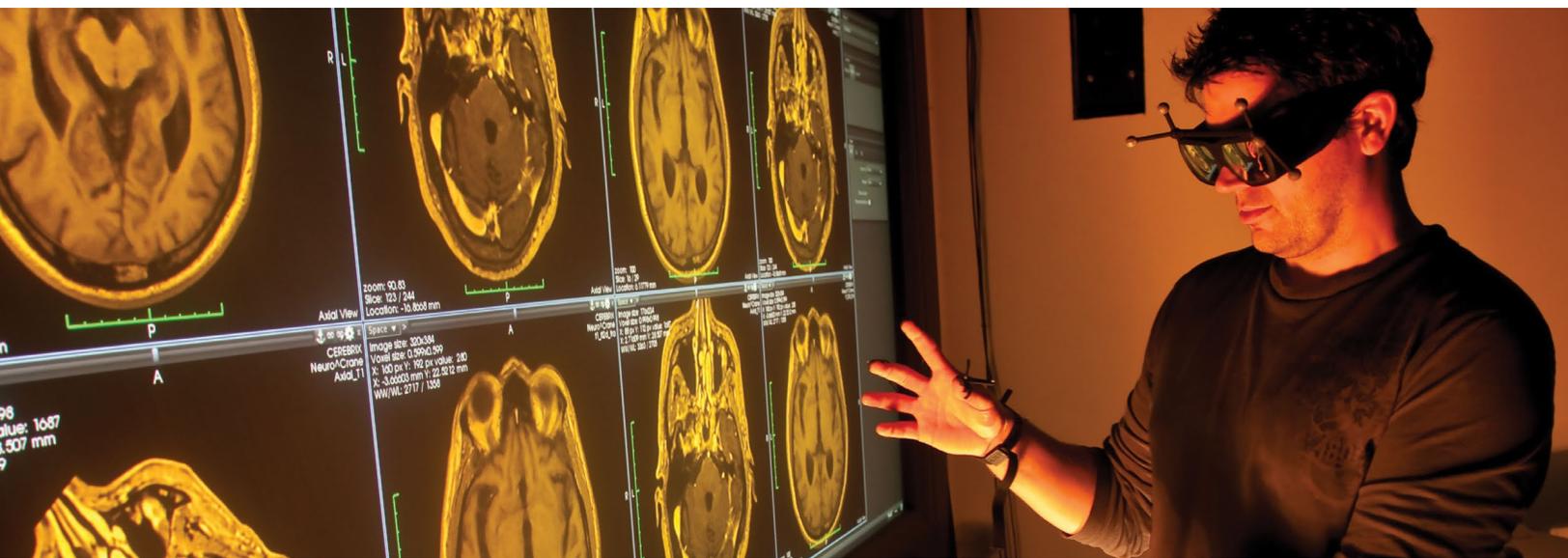
The CRA Taulbee Survey is in progress. The deadline for the salary section is November 27.

Late December: Preliminary salary report available to participants.

January 15, 2019: Due date for the main Taulbee section.

Upcoming Nomination Deadlines

CRA Award for Outstanding Undergraduate Researchers	October 15
CRA-E Undergraduate Research Faculty Mentoring Award	November 26
Candidates Sought for CRA Board of Directors	November 30
CRA Distinguished Service Award	December 7
A. Nico Habermann Award	December 7
CRA-E Graduate Fellows Program	January 28, 2019



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American University

Tenure-Track Assistant Professor - New Technology and Security

We seek scholar-teachers whose research focuses on new technologies and emerging security threats, especially the strategic, ethical, legal, and governance concerns related to their past and future evolution. These include (but are not limited to) artificial intelligence, autonomy, social media, cyber security, robotics, additive manufacturing, unmanned aerial vehicles, gene alteration, human enhancement, and other technologies associated with what's known as the Fourth Industrial Revolution. The focus of research will be on the advantages and disadvantages of new technological innovations as they relate to the past, present and future security of humans. Scholars who come from a wide range of disciplines are welcome to apply.

Applicants should possess a Ph.D. or the highest equivalent degree by August 2019.

For full details and to apply, visit <https://apply.interfolio.com/49810>

Amherst College

Assistant Professor Of Computer Science

The Amherst College Department of Computer Science invites applications for a full-time tenure-track position at the rank of assistant professor, beginning July 1, 2019. Candidates in all areas of computer science are encouraged to apply. Within the last decade, Amherst

College has profoundly transformed its student body in terms of socioeconomic status, ethnicity, race, and nationality. Today, nearly one-quarter of Amherst's students are Pell Grant recipients; 45 percent of our students identify as domestic students of color; and 10 percent of our students are international students. Our expectation is that the successful candidate will excel at teaching and mentoring students who are broadly diverse with regard to race, ethnicity, socioeconomic status, gender, nationality, sexual orientation, and religion.

The successful candidate must have a Ph.D. in computer science in hand or have fulfilled all requirements for the degree by the start of the appointment. We seek a colleague who is committed to excellence in undergraduate computer science education and in research, who is enthusiastic about teaching courses in a variety of areas, and who is excited about involving undergraduate students in research projects. The teaching responsibility is two courses each semester. The successful candidate will also supervise senior honors projects.

Amherst College is a small, highly selective liberal arts college located in Western Massachusetts, about two hours drive from Boston and three hours from New York City. The college is part of the Five College Consortium, which supports collaborations with nearby Hampshire, Mount Holyoke, and Smith Colleges, and with the University of Massachusetts. Students and faculty enjoy top-notch computing facilities, including technology-

equipped classrooms, computer and hardware labs, and a high-performance computing cluster.

A cover letter, curriculum vitae and three confidential letters of recommendation should be submitted electronically to <https://apply.interfolio.com>. In the cover letter, please briefly describe your current research agenda; what would be attractive to you about teaching at a liberal arts college; and what background, experience, or interests are likely to make you a strong teacher of a diverse range of Amherst College students. Applications received by November 15, 2018, will be assured of full consideration. Review of applications will continue until the position is filled.

Amherst College is an equal opportunity employer and encourages persons of all genders, persons of color, and persons with disabilities to apply. The college is committed to enriching its educational experience and its culture through the diversity of its faculty, administration, and staff.

For questions, contact the department chair, Prof. Lyle McGeoch, at lamcgeoch@amherst.edu.

Applied Visions

Senior Researcher Application Security or Software Engineering

Secure Decisions, a division of Applied Visions (AVI), seeks a Senior Researcher to join our team of software developers, psychologists, and computer security experts. At Secure Decisions we perform

cyber security R&D and develop cutting-edge technologies under contracts primarily funded by the federal government including the US Departments of Defense and Homeland Security. We have a strong track record of transferring the results of our R&D into commercial products and open source projects.

Our immediate need is for a researcher to play a leadership role on a research project that analyzes human behaviors during the software development process. The ideal candidate should be able to formulate research questions, oversee the collection and analysis of data from software repositories and application security testing tools, and communicate the results.

For more information, please go to <https://www.avi.com/careers/>

Arizona State University

Assistant or Associate Professor in Statistics

Arizona State University is accepting applications for an assistant or associate professor of statistics.

For more information, visit <https://www.mathjobs.org/jobs/jobs/12569>.

Augusta University

Tenure Track and Tenured Positions at the Assistant, Associate, and Full Professor Levels

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.

To be considered as an applicant, the following materials are required:

- Cover letter
- Curriculum vitae including a list of publications
- Statement describing research accomplishments and future research plans

- Description of teaching philosophy and experience
- Names of at least three references

The above items should be either emailed to ccs@augusta.edu or mailed to Chair Search Committee, School of Computer and Cyber Sciences, Augusta University, 1120 15th Street, UH-127, Augusta, GA 30912.

Augustana College (IL)

Endowed Chair Data Science

Data Science and Analytics Program – Augustana College, Rock Island, Illinois, invites applications for Chair of the newly created Data Science and Analytics Program beginning the 2019-2020 academic year. Details about how to apply for this search (search #101-19), Augustana College, our expectation of the faculty, the selection process and the Quad Cities are all available at the Faculty

Search website: http://www.augustanafaculty.org/career_positions.php

Boston College

Associate or Full Professor in Computer Science

The Computer Science Department of Boston College is poised for significant growth over the next several years and seeks to fill faculty positions at all levels beginning in the 2019-2020 academic year. Outstanding candidates in all areas will be considered, with a preference for those who demonstrate a potential to contribute to cross-disciplinary teaching and research

in conjunction with the planned Schiller Institute for Integrated Science and Society at Boston College. See <https://www.bc.edu/bc-web/schools/mcas/departments/computer-science.html> and <https://www.bc.edu/bc-web/schools/mcas/sites/schiller-institute.html> for more information.

Qualifications

A Ph.D. in Computer Science or a closely related discipline is required, together with a distinguished track record of research and external funding, and evidence of the potential to play a leading role in the future direction of the department, both in the recruitment of faculty and the development of new academic programs.

To apply go to <http://apply.interfolio.com/54226>

Application process begins October 1, 2018

Boston College is a Jesuit, Catholic university that strives to integrate research excellence with a foundational commitment to formative liberal arts education. We encourage applications from candidates who are committed to fostering a diverse and inclusive academic community. Boston College is an Affirmative Action/Equal Opportunity Employer and does not discriminate on the basis of any legally protected category including disability and protected veteran status. To learn more about how BC supports diversity and inclusion throughout the university, please visit the Office for Institutional Diversity at <http://www.bc.edu/offices/diversity>.

Boston College

Assistant Professor of the Practice or Lecturer in Computer Science

The Computer Science Department of Boston College seeks to fill one or more non-tenure-track teaching positions, as well as shorter-term visiting teaching positions. All applicants should be committed to excellence in undergraduate education, and be able to teach a broad variety of undergraduate computer science courses. Faculty in longer-term positions will participate in the development of new courses that reflect the evolving landscape of the discipline.

Minimum requirements for the title of Assistant Professor of the Practice, and for the title of Visiting Assistant Professor, include a Ph.D. in Computer Science or closely related discipline. Candidates who have only attained a Master's degree would be eligible for the title of Lecturer, or Visiting Lecturer. See <https://www.bc.edu/bc-web/schools/mcas/departments/computer-science.html> for more information.

To apply go to <http://apply.interfolio.com/54268>

Application process begins October 1, 2018

Boston College is a Jesuit, Catholic university that strives to integrate research excellence with a foundational commitment to formative liberal arts education. We encourage applications from candidates who are committed to fostering a diverse and inclusive academic community. Boston College is

an Affirmative Action/Equal Opportunity Employer and does not discriminate on the basis of any legally protected category including disability and protected veteran status. To learn more about how BC supports diversity and inclusion throughout the university, please visit the Office for Institutional Diversity at <http://www.bc.edu/offices/diversity>.

Boston College

Tenure Track, Assistant Professor of Computer Science

The Computer Science Department of Boston College is poised for significant growth over the next several years and seeks to fill faculty positions at all levels beginning in the 2019-2020 academic year. Outstanding candidates in all areas will be considered, with a preference for those who demonstrate a potential to contribute to cross-disciplinary teaching and research in conjunction with the planned Schiller Institute for Integrated Science and Society at Boston College. A Ph.D. in Computer Science or a closely related discipline is required for all positions. See <https://www.bc.edu/bc-web/schools/mcas/departments/computer-science.html> and <https://www.bc.edu/bc-web/schools/mcas/sites/schiller-institute.html> for more information.

Successful candidates for the position of Assistant Professor will be expected to develop strong research programs that can attract external research funding in an environment that also values high-quality undergraduate teaching.

Minimum requirements for all positions include a Ph.D. in Computer Science or closely related discipline, an energetic research program that promises to attract external funding, and a commitment to quality in undergraduate and graduate education.

To apply go to <https://apply.interfolio.com/54208>

Application review begins October 1, 2018.

Boston College is a Jesuit, Catholic university that strives to integrate research excellence with a foundational commitment to formative liberal arts education. We encourage applications from candidates who are committed to fostering a diverse and inclusive academic community. Boston College is an Affirmative Action/Equal Opportunity Employer and does not discriminate on the basis of any legally protected category including disability and protected veteran status. To learn more about how BC supports diversity and inclusion throughout the university, please visit the Office for Institutional Diversity at <http://www.bc.edu/offices/diversity>.

Boston University

Assistant Professor

The Department of Electrical & Computer Engineering (ECE) at Boston University (BU) anticipates openings for multiple Tenure-Track Assistant Professor positions in the area of computer systems and software with impact in areas such as mobile health and computing,

biomedical devices, neuromorphic computing and AI, machine learning, security, blockchain and distributed computing, the Internet of Things and cyberphysical systems. The BU footprint in these areas is growing significantly. Candidates with research programs that transcend the traditional boundaries of ECE are welcome to explore affiliated appointments in appropriate departments, such as Biomedical Engineering, Computer Science, and Mathematics and Statistics.

BU ECE is a rising department and attracts exceptional graduate student and faculty talent at all levels. Research activity by primary faculty is approximately \$26M per year. The College of Engineering is currently ranked 35th in the nation by US News and World Report, and 15th among private universities. BU ECE faculty lead and participate in several high-profile, multidisciplinary research centers, including the Center for Information and Systems Engineering, the Hariri Institute for Computing and Computational Science and Engineering, the Center for Systems Neuroscience, the Rajen Kilachand Center for Integrated Life Science and Engineering, and the Photonics Center.

We are looking for outstanding candidates with a Ph.D. in a relevant area who demonstrate potential for leading an independent and vibrant funded research program in their area of expertise, teach effectively at the graduate and undergraduate levels, and utilize their expertise to strengthen collaborative research within the department and beyond.

Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a PhD to a woman and that Martin Luther King Jr. received his PhD here. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of engineering by underrepresented groups at BU and beyond.

For more information about BU ECE, please visit: <http://www.bu.edu/ece/>

We encourage candidates to apply early. Applications received by December 15, 2018 will be given full consideration.

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

Brown University Department of Computer Science

Lecturer Positions Available

The Department of Computer Science at Brown University seeks applicants for multiple faculty positions at the rank of lecturer, senior lecturer, or distinguished senior lecturer. The initial appointment would be for a 3-year period (renewable with potential for promotion and longer-term contracts). These positions are a

part of a major expansion plan for the department as it plans to increasing its roster by 50% over the next five years.

These positions involve teaching four undergraduate courses per year and advising undergraduate CS majors. At least some of the teaching would be in first- and second-year courses. Candidates will also teach some upper-level undergraduate courses, based on their expertise and department needs. The department seeks candidates who will contribute to its overall intellectual culture; lecturers are included in faculty meetings, advise undergraduate research projects, and participate in graduate research with the rest of the faculty. Lecturers with substantial research participation and supporting funds may be eligible for periodic course release. The department values teaching and educational innovation, and welcomes candidates interested in formally researching computing education in the context of their teaching.

Brown offers a vibrant community for both teaching and research, with 33 tenured and tenure-track faculty members, one lecturer, three research faculty and several adjunct and visiting faculty members (with additional hiring planned over the next few years). The department has a strong undergraduate culture, anchored by a mature, endowed program for undergraduate teaching assistants, as well as a long history of published undergraduate research. Research and graduate programs leverage

disciplinary strengths in CS as well as Brown's broader interdisciplinary culture. CS is a founding partner in multiple university-wide initiatives including Data Science, Computational and Molecular Biology, Cybersecurity, and Human-Centered Robotics.

The positions are expected to start in the fall of 2019. In selecting candidates, we will consider quality of teaching, evidence of effective teaching, and compatibility with the area needs and interests of the department, as well as potential for effective participation in department or university activities and committees. For all applicants, we will consider potential for impact beyond Brown (through teaching, research, significant system building, outreach, or other professional activities, as appropriate for the candidate).

Applicants must have a Ph.D. by the start of the position. Applicants must submit a CV, a teaching statement, and an additional statement describing either research or other significant professional activities beyond classroom instruction (as appropriate for the candidate's background and interests). Candidates must also arrange for at least three letters of reference to be submitted through the application website.

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.

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

To apply, please use Interfolio (<https://apply.interfolio.com/54052>). Initial review will begin on October 1, 2018, but applications will be considered until the position(s) are filled. Inquiries may be addressed to: teaching_faculty_search_2019@lists.cs.brown.edu.

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, Sacramento

*Department of Computer Science
Tenure Track Faculty - Assistant Professor*

One tenure-track assistant professor position to begin with the Fall 2019 semester. Applicants specializing in any area of computer science will be considered. Those with expertise in areas related to software engineering, computer architecture, artificial intelligence, or deep learning are especially encouraged to apply. Ph.D. in Computer Science, Computer Engineering, or closely related field required by the time of the appointment.

For detailed position information, including application procedure, please see <http://www.csus.edu/about/employment/>.

Screening will begin November 19, 2018, and remain open until filled.

AA/EEO employer. Clery Act statistics available. Mandated reporter requirements. Criminal background check will be required.

Carleton College

Assistant Professor, Tenure-Track

Carleton College invites applications for a tenure-track position in computer science, beginning September 1, 2019. A Ph.D. in hand or its imminent completion by the start date is required. We expect to make appointments at the assistant professor level, but highly qualified candidates at any rank will be considered. We are interested in candidates with any specialization in computer science that will complement the existing strengths of the department. Candidates having an interest in teaching courses in operating systems and related fields are especially encouraged to apply.

Carleton is a highly selective liberal arts college with outstanding, enthusiastic students. We seek an equally enthusiastic computer scientist committed to excellence in teaching, curriculum design, ongoing research, and undergraduate research advising. We are particularly interested in applicants who have a commitment to attracting and retaining students from underrepresented groups. The appointee would be expected to teach courses at a range of levels, from the introductory level to advanced undergraduate electives.

Carleton's Department of Computer Science (cs.carleton.edu) includes eight faculty and an experienced full-time system administrator, and typically graduates between 50 and 60 majors annually.

To apply, please visit the Carleton College website at jobs.carleton.edu and complete the online application, including a cover letter, CV, a graduate transcript, and contact information for writers of three letters of reference (at least one of which should address your teaching), a statement about teaching in an undergraduate liberal arts environment and how you would contribute to a college community that embraces a diversity of people and perspectives as one of its core values, and a statement about research and other scholarly activity in an undergraduate liberal arts environment. Questions about the position or the application process may be directed to csjobs@carleton.edu. Applications completed by Friday, November 9, 2018, including reference letters, will receive full consideration.

Carleton College does not discriminate on the basis of race, color, creed, ethnicity, religion, sex, national origin, marital status, veteran status, actual or perceived sexual orientation, gender identity or expression, status with regard to public assistance, disability, or age in providing employment or access to its educational facilities and activities. We are committed to developing our faculty to better reflect the diversity of our student body and American society. Women and members of minority groups are strongly encouraged to apply.

Carnegie Mellon University

Systems Scientist

The Computational Biology Department at CMU is seeking a Systems Scientist to play a leading role in an NIH-funded effort to create 3D molecular and anatomical maps of the human body. The candidate is expected to lead the development and adaptation of software tools for the analysis of high-throughput imaging and genomics data and apply them to data collected as part of the project. The candidate would also oversee programmers at CMU and at other locations, work with collaborating centers to establish data formats, APIs and schemas, and help determine procedures for data analysis and quality control.

An ideal candidate would have a Ph.D. in computational biology or a related area, experience in the development of software tools for the analysis of high-throughput genomics and / or imaging data knowledge in using cloud-based infrastructure and experience in supervising software development

Please see <https://cmu.taleo.net/careersection/2/jobdetail.ftl?job=2010158> for complete details and contact information.

Carnegie Mellon University

School of Computer Science

Faculty Hiring

The School of Computer Science consists of seven departments, spanning a wide

range of topics in computer science and the application of computers to real-world systems. Faculty positions are specific to each department, though in certain cases, joint positions are also possible.

We are seeking tenure, research, and systems track faculty candidates with a strong interest in research, an earned Ph.D., and outstanding academic credentials. Candidates for tenure track appointments should also have a strong interest in graduate and undergraduate education.

We are also seeking teaching track faculty candidates. You should have a Ph.D. in Computer Science or a related computing discipline, a background of demonstrated excellence and dedication to teaching, the ability to collaborate with other faculty in a fast-paced environment, and must be prepared to teach in a wide variety of settings, including large undergraduate lecture courses and classes delivered in non-traditional formats.

Candidates with a commitment toward building an equitable and diverse scholarly community are particularly encouraged to apply. We are very interested in applications from candidates who have a demonstrated track record in mentoring and nurturing women and students from groups traditionally underrepresented in computer science.

We will begin accepting applications beginning September 1, 2018. To ensure full consideration of your application, please submit all materials no later than December 3, 2018. In your cover letter,

please indicate clearly the department(s) you are applying to. You can learn more about our hiring plans and application instructions by visiting <http://www.cs.cmu.edu/employment-scs>.

For more information about the hiring priorities in a particular department, please visit a department site below:

Computational Biology Department: <http://www.cbd.cmu.edu/tenure-track-faculty-positions/>

Computer Science Department: <https://www.csd.cs.cmu.edu/careers/faculty-hiring>

Human-Computer Interaction Institute: <https://hcii.cmu.edu/careers/list>

Institute for Software Research: <http://www.isri.cmu.edu/jobs/index.html>

Language Technologies Institute: <http://lti.cs.cmu.edu/news/lti-hiring>

Machine Learning Department: http://www.ml.cmu.edu/Faculty_Hiring.html

Robotics Institute: <http://ri.cmu.edu/about/hiring-faculty-positions/>

Please send email to faculty-search@cs.cmu.edu with any questions.

Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or

national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

The Chinese University of Hong Kong

Professor / Associate Professor / Assistant Professor (Information Systems)

Applications are invited for:

Department of Decision Sciences and Managerial Economics

Professor / Associate Professor / Assistant Professor (Information Systems)

(Ref. 180001KB) (Closing date: November 30, 2018)

CUHK Business School is a world-leading business school and a pioneer in business education in Hong Kong. Since its establishment in Hong Kong in 1963, the CUHK Business School has gained world recognition of nurturing business leaders with immense contributions in Asia Pacific.

The CUHK Business School has been offering a comprehensive range of undergraduate and postgraduate programmes (MBA, MSc, EMBA, MPhil, PhD) with over 4,600 students, as well as executive education. It has one of the most extensive alumni networks in the region, with over 34,000 alumni around the world. It comprises two Schools and four Departments:

Schools

- Accountancy
- Hotel & Tourism Management
- Departments
- Decision Sciences & Managerial Economics
- Finance
- Management
- Marketing

The Department of Decision Sciences and Managerial Economics is comprised of three research areas: Business Economics, Management Information Systems and Operations Management. It now invites applications for a tenure track faculty positions in the area of Information Systems commencing Fall 2019. Applicants for all professoriate ranks will be considered.

Applicants should have (i) a PhD degree in Information Systems, Economics, Computer Science or related disciplines (by the time reporting for duty); (ii) competence in high quality research and demonstrated research interests in, but not limited to, Economics of Information Systems, Business Analytics, and FinTech; and (iii) strong commitments to teaching and services. Senior applicants should have an outstanding track record of research and teaching accomplishments.

Appointment will normally be made on contract basis for up to three years initially, which, subject to performance and mutual agreement, may lead to longer-term appointment or substantiation later.

Interviews will be conducted at the following conferences and workshops. ZEW ICT Conference, Statistical Challenges of E-Commerce Research (SCECR), INFORMS Conference, International Conference on Information Systems (ICIS) and AEA Annual Conference.

Application Procedure

Please submit your application package (a letter of interest, full resume, a publication list, recent teaching-related information such as teaching evaluations and at least three references) online or send it to Chairman, Department of Decision Sciences and Managerial Economics by post (Room 901, Cheng Yu Tung Building, The Chinese University of Hong Kong, Shatin, Hong Kong) or email (dse@cuhk.edu.hk). The deadline for applications is November 30, 2018.

For more information and to apply online, please visit <http://career.cuhk.edu.hk>.

The Citadel

Tenure-Track Positions in Computer Science

The Department of Mathematics and Computer Science invites applications for two tenure-track faculty positions in computer science at the Assistant Professor level beginning August 2019. Minimum qualifications include an earned Ph.D. in computer science and a commitment to excellence in teaching, research, and service. In addition, candidates should exemplify The Citadel's core values of honor, duty, and respect. Candidates from all

areas of computer science are encouraged to apply, especially those with strong backgrounds in cybersecurity.

Located in beautiful Charleston, S.C., The Citadel is a fully accredited, public, comprehensive, co-educational college with a student body of 2300 undergraduate and 1000 evening and graduate students. Since 2016, The Citadel has been designated as a National Center of Academic Excellence in Cyber Defense Education by National Security Agency and Department of Homeland Security. The Department of Mathematics and Computer Science has 16 full-time faculty members within the areas of mathematics, statistics, and computer science. The department offers the B.S. in Computer Science; M.S. in Computer and Information Sciences (jointly with the College of Charleston); graduate certificates in cybersecurity, information systems, and software engineering; and undergraduate minors in computer programming, management information systems, cybersecurity, and cyber interdisciplinary studies. Teaching responsibilities include undergraduate courses in computer science for majors and minors and graduate-level courses in computer and information sciences. A normal teaching load is 9-12 hours per week with small class sizes.

The Citadel supports faculty scholarship through internally-funded research, development, and travel. Salary and fringe benefits are competitive, and other benefits include convenient parking and access to the Citadel Beach House located on Isle of Palms.

Applicants should submit a letter of application, curriculum vitae, copies of graduate transcripts, a statement of teaching philosophy, a statement of research plans, and three letters of recommendation, with at least one that addresses applicant's teaching. All application materials should be submitted online at The Citadel Careers web site, <http://careers.pageuppeople.com/743/cw/en-us/job/495572/assistant-professor-in-computer-science>. If you have any questions or concerns while applying at the Citadel Careers web site, please call The Citadel's Human Resources Office at 843-953-6922.

Questions about the position may be directed to Dr. John I. Moore, Jr, Chair, Computer Science Faculty Search Committee, Department of Mathematics and Computer Science, The Citadel, 171 Moultrie Street, Charleston, SC 29409, phone: 843-953-7883, or by email: john.moore@citadel.edu. Full consideration will be given to applications received by November 1, 2018.

Applications from women and minorities are especially encouraged. The Citadel is an affirmative action/equal opportunity employer actively committed to ensuring diversity in all campus employment.

Clark University

Tenure Track Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Clark University invites applications for a tenure track

Assistant Professor position in Computer Science starting Fall, 2019. Candidates are expected to have a Ph.D. in Computer Science or a closely related field at the time of appointment. Preference will be given to applications from the broad field of Data Science, especially Knowledge Discovery, Machine Learning, Data Mining, and Network Science. Outstanding candidates in other fields will also be considered.

We look for an energetic and independent colleague who can thrive in the environment of a small urban liberal arts research university and contribute to the success and diversity of our community, and who seeks a position that combines scholarship, teaching and involvement in the life of the University. The new faculty will have opportunities to develop new courses and programs and establish collaborations with faculty in Computer Science and other disciplines such as Mathematics, Biology, Chemistry, Physics, Economics, Geography and Management.

Clark has been a recognized leader in innovative research and education since its founding in 1887. The Department of Mathematics and Computer Science offers robust undergraduate programs in both disciplines. Our faculty are committed researchers and teachers, and actively collaborate with faculty at Clark and other institutions, including some in Boston. Our students participate in original research, place very highly in programming contests, and our graduates have enrolled in distinguished academic institutions or are hired by leading private companies. Additional information on the department is available at <http://www.cs.clarku.edu>.

To apply, please submit to the Computer Science Search Committee (cssearch@clarku.edu) one zip file which includes a cover letter, a curriculum vita, statements of research and teaching, and up to three key publications. Please arrange for at least three letters of recommendation to be sent directly to the search committee by the referees. At least one of those letters should comment on teaching. Review of applications will begin on October 15, 2018 and continue until the position is filled.

Clark University embraces equal opportunity and affirmative action as core values: we believe that cultivating an environment that embraces and promotes diversity is fundamental to the success of our students, our employees, and our community. This commitment applies to every aspect of education, services, and employment policies and practices at Clark. Our commitment to diversity informs our efforts in recruitment, hiring and retention. All positions at Clark share in the responsibility for building a community that values diversity and the uniqueness of others by exhibiting integrity and respect in interacting with all members of the Clark community to create an atmosphere of fairness and belonging. We strongly encourage members from historically underrepresented communities, inclusive of all women, to apply.

Colby College

Open Rank Tenure-Track Position in Computer Science

Colby College invites applications for an open rank tenure-track position in Computer Science, to start on September 1, 2019. Applicants must hold, or be close to completing, a Ph.D. in computer science, computer engineering, or a related area. We welcome applications from all research areas. The position allows a balance of teaching and research.

For more information and required materials, see cs.colby.edu. Review of applications will begin on 26 October 2018 and will continue until the position is filled.

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

Colby is an Equal Opportunity employer, committed to excellence through diversity, and encourages applications from qualified persons of color, women, persons with disabilities, military veterans and members of other under-represented groups. Colby

complies with Title IX, which prohibits discrimination on the basis of sex in an institution's education programs and activities. Questions regarding Title IX may be referred to Colby's Title IX coordinator or to the federal Office of Civil Rights.

For more information about the College, please visit our website: www.colby.edu.

The College of New Jersey

Tenure-Track Faculty Position in Computer Science

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.

To apply: <https://chm.tbe.taleo.net/chm03/ats/careers/v2/viewRequisition?org=TCNJ&cws=37&rid=540>

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."

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 College

Assistant Professor, Computer Science

The Department of Mathematics and Computer Science at Colorado College invites applications for a tenure-track position at the Assistant Professor level in Computer Science to begin in August of 2019. We seek a computer scientist with broad teaching interests who can teach introductory as well as advanced computer science courses to a diverse community of students

and mentor computer science majors who are completing their capstone experience. While all areas of computer science will be fully considered, we give preference to candidates with research interests in computer architecture, operating systems, theory of computing, distributed systems, databases, graphics, networking, computational biology, software design, robotics, mobile computing, data science, artificial intelligence, or machine learning.

The department fosters a supportive and inclusive learning community of faculty and students who share a passion for computer science. It is our goal to provide a nurturing learning environment that stimulates growth and intellectual exploration. The department values both depth and breadth in computer science, potential for implementing innovative and inclusive teaching methods in a liberal arts setting, and mentored undergraduate research. We expect the successful candidate to: teach introductory and advanced computer science courses; offer additional computer science courses as electives for computer science majors; develop and maintain a rigorous research program that ideally includes undergraduate students; mentor computer science students who are completing their capstone experience; advise students who are interested in computer science; contribute to the department and the College through service.

Colorado College is a nationally recognized, residential liberal arts

The Beacom College of Computer and Cyber Sciences **FACULTY POSITIONS OPEN**



Dakota State University (DSU) is South Dakota's computer technology and education institution. For more information about The Beacom College of Computer and Cyber Sciences at Dakota State University, please go to <http://dsucyber.com>. DSU is located in Madison, South Dakota, 50 miles northwest of Sioux Falls in the southern lakes region of the state. Madison offers a healthy community, excellent schools, and abundant recreational activities.

Applications must be submitted on-line at <https://yourfuture.sdbor.edu>. Applicants must submit a current curriculum vitae (CV) and contact information of three professional references.

For questions concerning the position, contact Dr. Dick Hanson, Dean, The Beacom College of Computer and Cyber Sciences (Richard.Hanson@dsu.edu) Review of applications will begin October, 2018 and continue until the position is filled.

CRYPTOGRAPHY/COMPUTER SCIENCE open rank position

Applicants are expected to have a strong background and good publication record (or potential to publish) in modern cryptography, preferably in "provable security", a strong interest in theoretical foundations of cryptography, and a strong motivation and ability to perform excellent research. The successful applicant is expected to have systems programming experience, experience with C/C++/Java/Go/Node.js, mobile development experience, web development experience. desktop development experience, domain expertise in cryptography, crypto currencies, elastic databases, concurrency, networking protocols.

DIGITAL FORENSICS & SECURITY open rank position

Applicants are expected to have a strong background and publication record (or potential to publish) in two or three of the following areas: digital forensics, electronic crime, blockchain, hardware security, or human factors and anomaly detection, network forensics, mobile forensics, database forensics, device forensics, electronic discovery, cybersecurity, biometrics, wireless network security, information security, cyber ethics, intrusion detection and protection.

ASSISTANT PROFESSOR **OF COMPUTER SCIENCE**

Applicants are expected to have a strong background and publication record (or potential to publish) in one of the following areas: machine learning, malware analysis, robotics, algorithm design, programming, computer architecture, or cloud computing.

ASSISTANT PROFESSOR **OF CYBERSECURITY**

Applicants are expected to have a strong background and publication record (or potential to publish) in one of the following areas: cyber intelligence, reverse engineering, malware, cyber operations, IoT, network security, familiarity with advanced persistent threat actors, their techniques, their capabilities, and their end-goals: offensive security.

ASSISTANT PROFESSOR **OF COMPUTER GAME DESIGN**

Responsibilities include teaching a variety of courses based on specialization. Applicants are expected to have a strong background and publication record (or potential to publish). Examples may include game analytics, game engine development, gameplay programming, projects classes and special topics courses in the area of the candidate's specialty. In addition, the faculty member will conduct research and perform university and professional service.

ASSISTANT PROFESSOR **OF SOFTWARE ENGINEERING**

Candidates must be familiar with the development and building of computer systems software and applications software. Applicants are expected to have a strong background and publication record (or potential to publish). This includes experience with programs that include computing utilities and operations systems and applications that includes user-focused programs, including database programs, web browsers and more. Knowledge of programming languages, software development and computer operating systems is required.

ETHICS & LEGAL PERSPECTIVES IN **COMPUTER & CYBER SCIENCES** open rank position

We seek faculty expertise teaching and research on digital ethics, issues arising from automated technologies, digital impacts on human autonomy, due process, and justice, computer and cyber science impacts on ethical behavior, civic life and democratic norms, and ability to teach to community-building and educational efforts that will help preserve human autonomy in an increasingly digital world.

DSU
DAKOTA STATE

DSU is committed to the recruitment, hiring and retention of minorities. We urge individuals from underrepresented groups to apply. Applicants with disabilities are invited to identify any necessary accommodations required in the application process. E-Verify, EOE.

college with about 2,000 students. Located one-hour south of Denver, the city of Colorado Springs offers many cultural and recreational activities in the foothills of the Rocky Mountain Region. The College actively promotes a dynamic and inclusive environment in which students and employees of diverse backgrounds, cultures, and perspectives can learn and work. Applicants should describe their interest in teaching computer science in a liberal arts environment in their cover letter.

Applications should also contain: a teaching statement including a discussion of your potential to incorporate active learning strategies; a research statement discussing your research interests and potential for including undergraduate students in your work; a diversity statement detailing your potential to contribute to diversity and inclusion at Colorado College through your teaching, research, and/or service; graduate school transcripts, and three confidential letters of recommendation (request that writers submit separately.) At least one letter should comment on teaching ability. A Ph.D. in Computer Science or related field is required. Applications from candidates who have reached ABD status will be considered. One distinguishing feature of Colorado College is its Block plan, in which professors teach, and students take, one course at a time. Each block is three and a half weeks long, and professors teach five of the eight blocks in an academic year and devote one block to supervising capstone projects. Applicants

should provide evidence of teaching effectiveness, if available.

Apply online at <https://employment.coloradocollege.edu/postings/3506>

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

Cornell University

Full-Time Lecturer Opportunity

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

This non-tenure track faculty position offers a professional teaching career track with possibility for growth, including the potential for a teaching innovation specialist. Based on candidate qualifications and experience, the initial appointment will be either a three year (Lecturer) or five year (Senior Lecturer) appointment, with

the expectation of renewal. Candidates for the position should hold a PhD and have demonstrated commitment to teaching excellence and innovation. We are seeking candidates who may contribute to large lower- and upper-level undergraduate and masters courses across a range of information science subfields, including: behavioral science; data science; digital culture and production; information ethics, law and policy; interactive technologies (mobile and web); networks, crowds, and markets; design; and user experience.

A typical full-time (100%) effort load for a Lecturer in Information Science is two courses per semester, or the equivalent in administrative and/or service duties. The department offers a competitive salary and benefits package, and lecturers play a full and active part in departmental life, from curriculum design and innovation to participation in wider faculty governance and decision-making.

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

For more information about Cornell Information Science, visit our website at: <https://infosci.cornell.edu>.

More information on our current undergraduate programs and course

offerings is available at: <https://infosci.cornell.edu/undergraduate/info-sci-majors>

Application materials must be submitted at: <https://academicjobsonline.org/ajojobs/11714>

Evaluation of applicants will begin October 1, 2018 and continue until the position is filled.

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

Cornell University

Tenured, Tenure-track Faculty

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

CS is ranked among the top computer science departments in the country (<http://www.cs.cornell.edu>). Applications from all areas of computer science and related fields are welcome to apply.

Faculty hired in these positions will be members of the Department of Computer Science, which spans the Ithaca and New

York City campuses, but their teaching and research will be based in Ithaca. A separate application is needed to be considered for a position at the New York City campus; please visit our website (<http://www.cs.cornell.edu/information/jobpostings>) for further information about the Cornell Tech application.

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

To ensure full consideration, applications should be received by December 1, 2018, but will be accepted until all positions are filled.

Applicants should submit a curriculum vitae and brief statements of research and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted at: <https://academicjobsonline.org/ajojobs/11941>.

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

CIS and Cornell value diversity and seek candidates who will create a climate that attracts students of all races, nationalities and genders. We strongly encourage women and underrepresented minorities to apply. Cornell University seeks to meet the needs of dual career couples, has a

Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

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

Cornell University

Tenured/Tenure track Faculty Position

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

Faculty hired in these positions will be members of the IS Department, which spans the Ithaca and New York City campuses, but their teaching and research will be based in Ithaca. A separate application is needed to be considered for a position at the New York City campus; please visit our website (<https://infosci.cornell.edu/career/hiring-opportunities>) for further information about the Cornell Tech application.

The IS Department brings together faculty, students and researchers who share an interest in advancing our understanding of how people and society interact with computing and information. Exceptional candidates in all areas related to the department's current research trajectories and priorities will be given serious consideration; these include the interface of economics and information; network science; computational social science; information policy; the sociology of organizations and innovation; human-computer interaction (HCI) and design; data science and its implications; digital humanities; the history and anthropology of computing and data; critical and interpretive analysis of information systems; computer-supported cooperative work (CSCW) and computer-mediated communication (CMC); social computing; human-robot interaction (HRI); ubiquitous computing and interactive systems; information visualization; policy and design for social impact; technology and equity.

The IS Department is located in Cornell's Gates Hall, and has strong connections with several other units on campus, including: Computer Science (with which it shares Gates Hall), Communication, Economics, Sociology, Science and Technology Studies, Operations Research and Information Engineering, and Cognitive Science.

Additionally, candidates must hold or receive a Ph.D. or equivalent degree by August 2019. Assistant Professor candidates must demonstrate the

potential to achieve excellence in research and teaching at both the graduate and undergraduate levels. More senior candidates must have an established record of outstanding research and excellent teaching at both the graduate and undergraduate levels; salary and rank will be commensurate with qualifications and experience. Experienced applicants may merit a tenured Associate Professor or Professor position, depending on their qualifications.

To ensure full consideration, applications should be received by November 1, 2018, but will be accepted until all positions are filled.

Applicants should submit a cover letter, curriculum vita (CV), brief statements of research and teaching interests, a diversity statement (more details below) and arrange to have at least three reference letters submitted. In the cover letter, CV, or research statement, applicants should identify a small set of their most significant pieces of work.

The above application information should be submitted online at <https://academicjobsonline.org/ajo/jobs/11886>

Diversity is a core value of CIS, IS and Cornell, and we seek candidates who will create a climate that attracts students of all races, nationalities, abilities, and genders. We strongly encourage women and underrepresented minorities to apply. We are working to create more equitable opportunities for underrepresented groups to participate in university

life in research and teaching, across ranks, and among faculty, students, and staff. The Diversity Statement provides an opportunity for applicants to reflect on how they and their approach to research, teaching, and/or service examines, identifies, and/or will contribute to positive social change that supports people who represent differences in gender, class, race, ethnicity, religious affiliation, national and cultural boundaries, national origin, worldview, intellectual origin, ability, and other identities. We invite you to be reflective and describe where you stand to contribute, learn and grow with regard to issues of diversity, inclusion, equity, and justice, and your potential to mentor and educate students who will serve diverse populations. In short, we would like to know, what does "diversity" in academic teaching, service, and research mean to you? For your reference, please consult the CIS diversity web pages: <https://cis.cornell.edu/diversity>. Cornell University also seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

More information about the IS Department appears at www.infosci.cornell.edu. Inquiries about your application may be directed to fac_recruit@infosci.cornell.edu.

Diversity and inclusion are a part of Cornell University's heritage. We are a recognized employer and educator

valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

Dartmouth College

Faculty Position in Theoretical and Computational Molecular Science

Dartmouth College seeks applicants for a tenure-track Assistant Professor in the area of Theoretical and Computational Molecular Science. The ideal candidate will use theoretical chemistry and computational modeling approaches to address foundational and practical questions about molecular structure, function, energetics, spectroscopy, reaction kinetics, and their impact in systems of biological interest. Preference will be given to candidates with applications geared towards biochemistry including but not limited to enzyme catalysis, photosynthesis, and drug design. Preference will also be given to candidates who study and characterize the effects of both quantum and classical phenomena in molecular science. The successful candidate will be expected to direct an independent research program that will attract extramural funding, provide research training for graduate and undergraduate students, and teach graduate and undergraduate courses. The candidate is expected to join an interdisciplinary faculty cluster whose members research the theoretical and experimental impact of analog computation in quantum, bio-molecular, and cellular circuits and systems. The successful candidate is expected to have a primary appointment in either the

Department of Chemistry, Department of Computer Science, or Department of Physics and Astronomy.

Dartmouth undergraduate and graduate student populations are diverse by many measures. We are especially interested in applicants with a record of successful teaching and mentoring of students from all backgrounds (including first-generation college students, low-income students, racial and ethnic minorities, women, LGBTQ, etc.), and who have a demonstrated ability to contribute to Dartmouth's undergraduate diversity initiatives in STEM research, such as the Women in Science Program, E. E. Just STEM Scholars Program, and Academic Summer Undergraduate Research Experience (ASURE). Applicants are encouraged to discuss relevant skills and experiences in their teaching statement.

Candidates should hold a PhD degree. Relevant postdoctoral experience is preferred. Application materials, including a curriculum vitae, representative publications, a statement of research interest (not to exceed 4 pages), a teaching statement, and at least three letters of reference should be uploaded to: <http://apply.interfolio.com/53602>. Application review will begin on November 1st, 2018 and continue until the position is filled.

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Home to Dartmouth College, the Upper Connecticut Valley is a vibrant, academic and professional community offering excellent schools, lively arts, and an unmatched

quality of life in a beautiful setting. Amenities associated with urban areas in Boston MA, Burlington VT, and Montreal QC are all within a few hours drive.

Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications by members of all underrepresented groups are encouraged.

Dartmouth College

Assistant Professor

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



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Faculty Positions in Computer and Communication Science École polytechnique fédérale de Lausanne (EPFL)

The School of Computer and Communication Sciences (IC) at EPFL invites applications for faculty positions in computer and communication sciences. We are seeking candidates for tenure-track assistant professor as well as for senior positions.

Successful candidates will develop an independent and creative research program, participate in both undergraduate and graduate teaching, and supervise PhD students.

The school is seeking candidates in the fields of: 1) Machine Learning and Data Science – including applications in bioinformatics, natural language processing, and speech recognition; 2) Verification and Formal Methods; 3) Systems; 4) CS Education and Learning Analytics. Candidates in other areas are also encouraged to apply and will be considered.

EPFL offers internationally competitive salaries, generous research support, significant start-up resources, and outstanding research infrastructure.

Academics in Switzerland enjoy many research funding opportunities, as well as an exceptionally high living standard.

To apply, please follow the application procedure at <https://facultyrecruiting.epfl.ch/position/10977288>

The following documents are requested in PDF format: cover letter, curriculum vitae including publication list, brief statements of research and teaching interests, and contact information (name, postal address, and email) of 3 references for junior positions or 5 for senior positions. Screening will start on **December 1, 2018**. Further questions can be addressed to:

Profs. Rüdiger Urbanke and George Candea
Co-Chairs of the Recruiting Committee
CH-1015 Lausanne
recruiting.ic@epfl.ch

For additional information on EPFL and IC, please consult: <http://www.epfl.ch> and <http://ic.epfl.ch>

EPFL is an equal opportunity employer and family friendly university. It is committed to increasing the diversity of its faculty. It strongly encourages women to apply.

ETH zürich

Professor or Assistant Professor (Tenure Track) of Software Hardware Interfaces

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

→ The successful candidate is expected to have a strong background in any area where software meets hardware, such as co-design, security, embedded systems, edge computing, internet of things, cyber-physical systems, operating systems, real-time systems, biomedical systems, autonomous mobility, as well as corresponding theoretical concepts. Candidates should develop a strong and visible research program, hold a PhD, and have an excellent record of accomplishments. In addition, commitment to teaching and the ability to lead a research group are expected. Generally, at ETH Zurich undergraduate level courses are taught in German or English and graduate level courses are taught in English.

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

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

→ Applications should include a curriculum vitae, a list of publications, a statement of future research and teaching interests, and a description of the three most important achievements. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Lino Guzzella. The closing date for applications is 1 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.

ETH zürich

Professors or Assistant Professors (Tenure Track) of Computer Science Education

→ The Department of Computer Science (www.inf.ethz.ch) at ETH Zurich invites applications for two positions with focus on the following areas within computer science. For each area, several possible examples (not exhaustive) of expertise are provided.

→ **Computer Science and Education** (candidates have strong research competence in a core area of computer science and have a record of engagement in outreach to schools)

Educational Data Science (modelling of learning behaviour, mechanism design, applications of machine learning to education)

Education Technology (assignment generation, feedback and grading for programming and math assignments, HCI aspects of education technology)

→ Please apply for only one of the above three areas as all applications will be jointly reviewed.

Applicants should be strongly rooted in computer science, have internationally recognized expertise in their field and pursue research at the forefront of computer science. Successful candidates should establish and lead a strong research programme. They will be expected to supervise doctoral students and teach both undergraduate and graduate level courses (in German or in English). Collaboration in research and teaching is expected both within the department and with other groups of ETH Zurich and related institutions.

→ 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.

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

→ Applications include a curriculum vitae, a list of publications with the three most important ones marked, a statement of future research and teaching interests, the names of three references, and a description of the three most important achievements. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Lino Guzzella. The closing date for applications is 30 September 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.

The Computer Science department is home to 25 faculty members. Research areas of the department encompass the areas of security, computational biology, machine learning, robotics, systems, security, algorithms, theory, digital arts, vision and graphics. The Computer Science department is in the School of Arts & Sciences, and it has strong Ph.D. and M.S. programs and outstanding undergraduate majors. The department is affiliated with Dartmouth's M.D.-Ph.D. program and has strong collaborations with Dartmouth's other schools.

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons.

Applicants are invited to submit application materials via Interfolio at: <https://apply.interfolio.com/53697>. Please upload a CV, research statement, and teaching statement, and request at least four references to upload letters of recommendation, at least one of whom should comment on teaching. Email facsearch-2018@cs.dartmouth.edu with any questions.

We seek candidates who have a demonstrated ability to contribute to Dartmouth's undergraduate diversity initiatives in STEM research, such as the Women in Science Program, E. E. Just STEM Scholars Program, and Academic Summer Undergraduate Research Experience (ASURE). We are

especially interested in applicants with a demonstrated track record of successful teaching and mentoring of students from all backgrounds (including first-generation college students, low-income students, racial and ethnic minorities, women, LGBTQ, etc.).

Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications by members of all underrepresented groups are encouraged.

Application review will begin January 1, 2019, and continue until the positions are filled.

Dartmouth College Neukom Fellows: Call for Applications

The Neukom Institute for Computational Science at Dartmouth College is pleased to announce the Neukom Postdoctoral Fellows competition for positions starting September 1, 2019.

Neukom Fellows are interdisciplinary positions for recent Ph.D.s, DMAs, or MFAs whose research interests or practice cuts across traditional disciplinary boundaries, and has some computational component, whether it be a framing concept for intellectual exploration or an explicit part of the work that is pursued. The successful candidate should have a history of collaborative

work across disciplines, but still show evidence of independence and initiative. The Fellowships are two- to three-year appointments, with the third year extension considered upon request after a review early in the second year. Neukom Fellows will be mentored by faculty in two departments at Dartmouth College, take up residence in one department, and will teach one seminar course each year on a subject of their interest. Beyond that there are no additional duties. Neukom Fellow stipends are \$60,000 for 2019-2020. Additional funds are available for equipment, travel, and research materials.

Applications must be submitted here
<https://academicjobsonline.org/ajojobs/11578>

Davidson College

Assistant Professor - Computer Science

The Department of Mathematics and Computer Science at Davidson College invites applications for a tenure-track appointment in Computer Science at the rank of Assistant Professor, beginning July 1, 2019. Candidates must possess a Ph.D. in Computer Science or closely related field by fall 2019. We seek a faculty member with broad teaching and research interests who will support, enhance and expand the computer science curriculum at all levels, and who can collaborate with colleagues and students across disciplinary lines in a liberal arts environment. The teaching requirement is four courses in the first

year and five courses per year thereafter. We seek candidates with expertise in areas that would broaden our curriculum, such as programming languages, architecture, software engineering, or security. Demonstrated or potential teaching excellence is essential, as well as an active research program in which undergraduate students can participate. Davidson College aims to broaden access to higher education, and our department strives to increase access to STEM majors and careers among underrepresented groups. We seek a colleague who shares these aspirations, and we value faculty engagement with the professional and wider community.

Consistently ranked among the nation's top liberal arts colleges, Davidson is a highly selective, independent college located in Davidson, North Carolina, close to the city of Charlotte. At Davidson, we believe the college grows stronger by recruiting and retaining a diverse faculty and staff committed to building an inclusive community.

For more information on Davidson, and details on how to apply, please see <http://employment.davidson.edu>.

Applications completed by October 22, 2018 will receive full consideration.

DePaul University

Postdoctoral Researcher

The Data Systems and Optimization Lab (DSL) in the School of Computing, College of Computing and Digital Media at

DePaul University is looking for talented and motivated postdoctoral fellows to become part of our team working on exciting science research projects. Researchers in computer systems, databases, high performance computing or any relevant data and computational science discipline, and who have received their Ph.D. within the last three years are encouraged to apply. The successful applicant will receive a competitive salary, commensurate with Chicago area, and excellent benefits. The position is for up to two years beginning October 1st, 2018.

This post-doctoral position will be in the broad areas of computational and statistical reproducibility with experience in topics of data provenance/lineage, graph data management, version control systems, file systems, and scientific data management. The objective will be to create new ways of capturing, tracking and making understandable large-scale, distributed scientific experiments. Focus will be on scientific experiments that employ finite-element models, large-scale distributed/high performance computing infrastructure, and are, in general, challenging to reproduce.

Supervisors

Dr. Tanu Malik (College of Computing and Digital Media, School of Computing)

To apply please email your CV and a Research Statement to [dbgroup](mailto:dbgroup@depaul.edu) at depaul.edu.

Advisory team

A multi-disciplinary advisory team will guide the project, offering advice,

facilities, and potential opportunities for travel, training, and dissemination.

The DSL Lab performs innovative research in data management and organization, scientific computing, and database forensics. Current research projects are in the areas of cloud computing, provenance data management, data storage visualization, geospatial poly-stores and poly-indexing, performance optimization, and benchmarking and performance modeling. More details on projects can be found under Research.

The Chicago metropolitan area provides a diverse and exciting environment. The local economy is vigorous, with international stature in banking, trade, commerce, manufacturing, and transportation, while the cultural scene includes diverse cultures, vibrant theater, world-renowned symphony, opera, jazz and blues. The College of Computing and Digital Media is located in the Loop, in the heart of the city.

Drake University

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science seeks an outstanding teacher and promising scholar for a tenure track position in Computer Science at the rank of Assistant Professor beginning in Fall 2019. A Ph.D., or near completion, in Computer Science or a related area is required. Applicants from all areas of computer science are welcome to apply. The course load is

3-3. Salary is competitive with peer schools and dependent on qualifications and experience. Drake University is an Equal Opportunity Employer (EEO) dedicated to building a culturally diverse and pluralistic community committed to teaching and working in a multicultural environment and strongly encourages applications from all qualified applicants. Candidates must demonstrate ability to provide support to and work with individuals and groups from diverse socioeconomic, cultural, sexual orientation, disability and/or ethnic backgrounds.

Drake University is a private institution and ranked by US News and World Report as one of the top three Midwest Regional Universities. Drake is located in the heart of Des Moines, the capital city of Iowa, which has a vibrant metro area of over 500,000 residents. Des Moines has been named the "Best City for Young Professionals" by Forbes Magazine and has also been noted by Parenting Magazine on its "Best Cities for Families" list in recent years. Drake has also been acknowledged by The Chronicle of Higher Education as a "Great College to Work For." More information on Des Moines, Drake's work environment, employee benefits, and faculty development opportunities is available at <http://www.drake.edu/hr/>.

Applicants should submit electronically: a letter of application, curriculum vitae, description of teaching experience, teaching philosophy, research agenda, and contact information for

three references, at least two of whom can address teaching, through Hire Touch: <https://drake.HireTouch.com/>. Questions may be directed to the search chair at eric.manley@drake.edu.

Review of applicants will begin October 15, 2018 and continue until filled.

Elmhurst College

Tenure-track Assistant Professor of Computer Science

Elmhurst College invites applications for a tenure-track assistant professor of Computer Science in the Department of Computer Science and Information Systems (CSIS). Scholarly interest in areas include, but are not limited to: machine learning, intelligent systems, database systems, security, computer networking, Internet of Things, compilers, or parallel systems. Main teaching responsibilities include introductory courses such as CS I & II, as well as upper division electives within the CS curriculum. The teaching load is six courses per year.

Evidence of outstanding teaching or teaching potential is essential. Candidates should have a commitment to creating an inclusive learning environment for a diverse student body. A PhD in Computer Science, a Computational Science related discipline, or Applied Mathematics with significant experience in software development is required by September 1, 2019.

Elmhurst College offers more than 60 undergraduate majors, 17 graduate programs, degree-completion programs

for busy adults, and the acclaimed Elmhurst Learning and Success Academy for young adults with developmental disabilities. Elmhurst College is one of the Top 10 Colleges in the Midwest, according to U.S. News & World Report; and U.S. News, Money and Forbes magazines consistently rank Elmhurst as one of the Midwest's best values in higher education. Recruiting and retaining a diverse workforce is a critical component of the College's mission, vision and core values. Our commitment stems from the belief that an institution of higher learning is enriched by the presence of diversity. Elmhurst College is an EOE Employer. Elmhurst College prohibits discrimination and harassment of any type and affords equal employment opportunities to employees and applicants without regard to race, color, national origin, gender, sexual orientation, religion, age, creed, ancestry, veteran status, marital status, disability, or any other characteristic protected by law.

The CSIS department houses three traditional undergraduate majors: CS, Computer Gaming and Entertainment Technology, and Information Systems. It also offers master-level degrees in Data Science and Computer Information Technology. The CS major designed is based upon the ACM2013 guidelines. Class sizes range between 10-20 students. Student-faculty research is encouraged and a willingness to participate in extracurricular CS-related activities, such as a local programming competition or e-sports, is a plus.

Applications are accepted online only at <http://elmhurst.simplehire.com/postings/836>

Additional information about Elmhurst College may be accessed on our website: <http://www.elmhurst.edu>. Review of applications will begin November 1, 2019. Questions can be directed to Dr. John Jeffrey, Department Chair of Computer Science and Information Systems, johnj@elmhurst.edu.

Florida State University

The Computer Architecture and System Laboratory (CASTL) at Florida State University has a postdoctoral researcher position on large-scale parallel computing and data analytics. This is a full time, two-year, renewable position. The successful candidate must have earned a PhD in computer science or related disciplines and at least one first-author research publication in a reputable systems conference or journal.

To apply, visit: <http://hr.fsu.edu>, click **Job Opportunities**, then enter **43971** as the job ID.

Questions regarding the position can be directed to Prof. Weikuan Yu (yuw@cs.fsu.edu).

FX Palo Alto Laboratory (FXPAL)

Research Scientist

FXPAL has an immediate opening for a full time position in machine learning applied to areas such as computer vision, natural language and human behavior analysis.

Applicants should have a PhD in a field related to artificial intelligence, a strong publication record in leading journals and conferences and excellent programming and development skills. FXPAL is a lab in Silicon Valley doing research related to machine learning, computer vision, joint text and image analysis, text generation, indoor localization, augmented reality, remote collaboration and human activity sensing. We develop advanced cutting-edge techniques and applications in areas related to Fuji-Xerox business lines.

For details and requirements please visit <http://www.fxpal.com/careers/>

Georgia Institute of Technology

Dean, College of Computing

The Georgia Institute of Technology invites applications and nominations for the position of dean of the College of Computing.

For more information, full position description, and application instructions please consult the search website at www.provost.gatech.edu/dean-computing. While applications and nominations will be received until the dean is selected, interested parties are encouraged to respond by November 21, 2018, to ensure optimal consideration.

Georgia Tech is an equal opportunity/affirmative action employer.

Georgia Institute of Technology

Tenure-Track Faculty

The School of Computer Science at the Georgia Institute of Technology is recruiting multiple tenure-track faculty. Our preference is for junior-level candidates at the assistant professor level, but exceptional candidates at all levels will be considered. We seek candidates who complement and enhance our research strengths in any area, and are especially interested in candidates whose research focuses on theory of computing, data science, or security.

The School of Computer Science, one of three schools in the College of Computing, focuses on research that makes computing and communication smart, fast, reliable, and secure, with research groups in computer architecture, databases, machine learning, networking, programming languages, security, software engineering, systems, and theory. Faculty in the school are leaders in a variety of Georgia Tech initiatives, including: Institute for Data Engineering and Science (IDEaS), Institute for Information and Security (IISP), Center for Research into Novel Computing Hierarchies (CRNCH), and Algorithms and Randomness Center (ARC). The school is in a period of rapid growth with five tenure-track assistant professors hired last year.

Georgia Tech is adjacent to the Midtown district of Atlanta. Midtown is a walking, in-town neighborhood, burgeoning with many new cafes and restaurants, home

to tech companies, and within walking distance of outdoor activities, including the Beltline, Piedmont Park, Botanical Garden, and High Museum of Art. Georgia Tech's new CODA building will be located in Midtown, and the School of Computer Science will have a strong presence in the new building. The greater Atlanta area is very cosmopolitan, with a variety of international communities and outdoor pursuits (beaches, mountains, etc.) within driving distance.

Applications will be considered until open positions are filled. However the review of applications will begin on December 1, 2018. Applicants are encouraged to clearly identify in their cover letter the area(s) that best describe their research interests. All applications must be submitted online at Academic Jobs Online: <https://academicjobsonline.org/ajo/jobs/11942>. More information about the School of Computer Science is available at: <http://scs.gatech.edu>

Georgia Tech is an equal education/employment opportunity institution dedicated to building a diverse community. We strongly encourage applications from women, underrepresented minorities, individuals with disabilities, and veterans. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.

Georgia Institute of Technology

Tenure-Track Faculty

The School of Computational Science and Engineering (CSE) of the College of Computing at the Georgia Institute of Technology seeks tenure-track faculty, at all levels, who may specialize in high-performance computing (HPC), data analytics, machine learning (ML), and modeling and simulation, to solve real-world problems in science, engineering, health, and social domains. We seek candidates interested in a broad range of application areas including biomedical and health informatics; urban systems and smart cities; social good and sustainable development; materials and manufacturing; and national security. Applicants must have an outstanding record of research, a sincere commitment to teaching, and interest in engaging in substantive interdisciplinary research with collaborators in other disciplines.

Georgia Tech is located in the heart of metro Atlanta, a home to more than 5.5 million people and nearly 150,000 businesses, a world-class airport, lush parks and green spaces, competitive schools and numerous amenities for entertainment, sports and restaurants that all offer a top-tier quality of life. From its diverse economy, global access, abundant talent and low costs of business and lifestyle, metro Atlanta is a great place to call "home." Residents have easy access to arts, culture, sports and nightlife, and can experience all four

seasons - with mild winters that rarely require a snow shovel.

In mid-2019, CSE will move to its new home, the CODA Building. CSE will be the core academic unit in the building, co-located with institutes and centers focused on data engineering and science, ML, health informatics, cybersecurity, and HPC. The 750,000-square-foot mixed-use development represents a \$375 million investment into the innovation district of Tech Square in Atlanta and will include an 80,000-square-foot HPC center alongside 620,000 square feet of office space. CSE is unique in that it will be the only school in its entirety to move all staff, operations, research, faculty, and students to this location. This unique placement positions CSE to become a direct partner with the greater CODA community.

Applications should be submitted online through <https://academicjobsonline.org/ajo/jobs/11600>. For best consideration, applications are due by December 15, 2018. The application material should include a full academic CV, a personal narrative on teaching and research, a list of at least three references and up to three sample publications. Georgia Tech is an Affirmative Action/Equal Opportunity Employer. Applications from women and under-represented minorities are strongly encouraged.

For more information about Georgia Tech's School of Computational Science and Engineering please visit: <http://www.cse.gatech.edu/>

Grinnell College

*Computer Science (Area Open) -
Tenure-Track*

GRINNELL COLLEGE. The Department of Computer Science invites applications for a tenure-track appointment beginning Fall 2019. Assistant Professor (PhD) preferred; Instructor (ABD) or Associate Professor possible. Research and teaching interests might include, but are not limited to, accessibility technology, artificial intelligence, algorithms, CS education, data science, databases, graphics, human-computer interaction, networking, parallel and distributed computing, programming languages, security, software engineering, social and ethical issues in computing, systems, theoretical computer science, or other interdisciplinary computing applications.

Please visit <https://jobs.grinnell.edu> for application instructions. Search chair: Professor Jerod Weinman, CSSearch@grinnell.edu, 641-269-3169.

Haverford College

Assistant Professor of Computer Science

Haverford College invites applications for a tenure-track position as Assistant Professor in the Department of Computer Science to start in August 2019. The successful candidate should have completed the Ph.D. in Computer Science by fall 2019. Teaching responsibilities include courses at all levels of the curriculum, and in particular courses in core programming languages and/or systems courses, upper-level electives

that strengthen the connections between computer science and other fields, and supervision of undergraduate research. The area of scholarly expertise is open.

Applicants should submit their dossier, including a cover letter; CV; research statement; teaching statement; and three confidential letters of recommendation (at least one of which will address the candidate's skill as a teacher) via Interfolio at <https://apply.interfolio.com/54836>

Haverford College's long-standing commitment to social justice is reflected in the diversity, inclusion, and ethical engagement of our students and faculty. Faculty cultivate exciting research careers along with a dedication to research collaborations with students and innovative pedagogy. A successful teaching statement will highlight effective engagement with students from diverse backgrounds, the use of varied pedagogies, and successes and challenges as a teacher. A successful research statement will discuss how your area of research will thrive at a small undergraduate institution, and how you will include and inspire undergraduates in your research program. Please begin the research statement with a summary (abstract) that is accessible to a general audience.

Questions about the Computer Science program should be directed to John Dougherty at jd@cs.haverford.edu. Questions about the application process should be directed to Georgia Davidis, Assistant to the Provost for Faculty Hiring

and Review, at gdaavidis@haverford.edu. For technical questions, please contact Interfolio directly at 1-877-997-8807 or help@interfolio.com.

Applications completed by November 20, 2018 will receive fullest consideration.

Haverford College is an Equal Opportunity/Affirmative Action employer that does not discriminate on the basis of race, ethnicity, religion, gender identity, sexual orientation, national origin, age, marital status, disability or veteran status. Haverford has a longstanding commitment to diversity rooted in values of inclusion and social justice, a commitment reflected in the curriculum, classrooms, and communal composition of the College. Haverford welcomes applications from candidates who share these values and who will foster their contribution to the College's mission.

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/ajojobs/11878>. Applications received by October 31 will receive full consideration. Contact: lasseter@hws.edu.

Hong Kong University of Science and Technology

Faculty Positions

Department of Computer Science and Engineering

Job Posting Details

The Department of Computer Science and Engineering of HKUST (<http://www.cse.ust.hk/>) will have substantiation-track faculty openings at all levels of Professor,

Associate Professor and Assistant Professor for the 2019-2020 academic year. We are looking for candidates with outstanding research record in all computer science and engineering areas, with priority given to candidates who complement our existing faculty strengths.

Applicants should have an earned PhD degree. Applicants in junior level should have demonstrated potential in teaching and research.

The department has about 40 faculty members, recruited from major universities and research institutions around the world, and about 800 students (including about 200 postgraduate students). The medium of instruction is English. We were ranked 14th among all computer science and engineering departments worldwide according to the QS World University Ranking in 2018. The University is committed to increasing the diversity of its faculty, and has a range of family-friendly policies in place.

The department has the following concentrated research areas: Artificial Intelligence, Big Data, Cybersecurity, Data and Knowledge Management, Human-Computer Interaction, Networks and Data Center, Vision and Graphics, Software Systems, and Theoretical Computer Science.

Salary is highly competitive and will be commensurate with qualifications and experience. Fringe benefits include medical/dental benefits and annual leave. Housing will also be provided where

applicable. For appointment at Assistant Professor level, initial appointment will normally be on a three-year contract. A gratuity will be payable upon completion of contract.

Application Procedure

Applications including a cover letter, a curriculum vitae (including the names and contact information of at least three referees), a research statement and a teaching statement (all in PDF format) should be sent through e-mail to csrecruit@cse.ust.hk. Priority will be given to applications received by Saturday, **15 December 2018**. Applicants will be promptly acknowledged through e-mail upon receiving the electronic application material.

(Information provided by applicants will be used for recruitment and other employment-related purposes.)

Indiana State University

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Indiana State University invites applications for a tenure-track position in Computer Science at the rank of Assistant Professor. EOE/Minority/Female/Individual with Disability/Veteran.

To apply -<http://cs.indstate.edu/info/positions.html>

Indiana University- Bloomington Campus

*School Of Public And
Environmental Affairs
Environmental Informatics
Tenure-track Faculty Position*

The School of Public and Environmental Affairs (SPEA) at Indiana University, Bloomington seeks a visionary, dynamic data scientist for a tenure-track, Assistant Professor position in the field of environmental informatics. We are particularly interested in applicants with a strong mathematical/statistical and computing background who have experience in developing, modifying, and implementing novel methodologies to extract and integrate information from large biological, chemical, ecological, and/or geospatial datasets. Preference will be given to candidates whose research leverages these datasets to improve our mechanistic and/or biological understanding of populations, communities, and/or ecosystems, and who seek to develop interdisciplinary collaborations with colleagues in environmental science, chemistry, biology, geography, and/or public health. Persons with experience and knowledge in applying Bayesian methods, machine and deep learning, and explainable artificial intelligence to complex environmental datasets are encouraged to apply.

Faculty at Indiana University have access to state-of-the-art facilities for genomics and bioinformatics through the Center for

Genomics and Bioinformatics (<https://cgb.indiana.edu/index.html>), supercomputing and data science through the Pervasive Technology Institute (<https://pti.iu.edu/index.html>), and unique field opportunities through the facilities and extensive properties of the IU Research and Teaching Preserve (<https://preserve.indiana.edu/>). Founded in 1972, SPEA was the first school to combine public policy, management, and administration with environmental science. The School is committed to excellence in research, teaching, and service addressing critical issues in environmental science, policy and management (www.indiana.edu/~spea/research/index.shtml). Presently, SPEA ranks first in the nation in environmental policy and management in U.S. News & World Report.

Applicants should have a PhD in statistics, mathematics, environmental science, computational biology, or a related data science discipline, post-doctoral experience, and a record of publication commensurate with appointment at the Assistant Professor level. The successful applicant will be expected to establish and maintain an externally funded research program and contribute to undergraduate and graduate teaching, including developing a graduate-level course in their area of specialty.

We are especially interested in applicants with a record of successful teaching and/or supervision of students and employees from all backgrounds

(including first-generation college students, low-income students, racial and ethnic minorities, women, LGBTQ, etc.) and an interest in contributing to SPEA's programs, curricular offerings, and research portfolio in ways that enhance diversity, equity, and inclusion; applicants are encouraged to address these topics in the letter of application.

To ensure consideration, application materials must be received by November 15, 2018, however, the search will continue until the position is filled. Please submit a letter of application, current vita, statement on research and teaching, representative manuscripts (up to three), and arrange to have three letters of reference sent using instructions provided online via <https://indiana.peopleadmin.com/>. Preferred start date is August 2019.

Inquiries regarding the position should be sent to Joseph Shaw (joeshaw@indiana.edu)

For more information see: <http://www.indiana.edu/~spea>

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.

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, ayoon@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.

Johns Hopkins University

Postdoctoral Researcher

Applications are invited for a postdoctoral position studying the genomic basis of variation in human complex traits. The postdoc will join a research group led by Rajiv McCoy in the Department of Biology at Johns Hopkins University. The McCoy lab uses computational and statistical approaches to investigate the evolution and function of human genomes.

Please see <http://mccoy-lab.org/join> for a detailed announcement, including minimum qualifications and application instructions.

Marquette University

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

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. Furthermore, candidates should demonstrate the ability to teach at the undergraduate and the graduate levels, and have excellent oral, written, and interpersonal skills.

The Department highly regards and encourages interdisciplinary research in both academia and industry. Marquette University has experienced significant growth in Computer Science, Data Science, and affiliated areas. Marquette has recently partnered with Northwestern

Mutual on a \$40 million venture to establish the Northwestern Mutual Data Science Institute. This venture will provide research opportunities for the existing and new faculty members. For more information about the current Department and its programs, see <http://www.marquette.edu/mscs/>.

Marquette, an EOE that values diversity, is a Catholic Jesuit university routinely listed among the country's top universities renowned for academic rigor, innovation and achievements of its community of scholars. Across 10 colleges, Marquette offers a choice of 82 undergraduate majors, 78 minors, 65 doctoral and master's degrees, and 21 graduate certificate programs. More information is available at <http://www.marquette.edu>. We seek candidates who can contribute to the university mission, which can be found at <http://www.marquette.edu/about/mission.php>. Candidates from underrepresented groups are particularly welcome.

For more information, or 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 will begin on November 2, 2018 and will continue until the positions are filled.

Please direct inquiries to: Praveen Madiraju (praveen.madiraju@marquette.edu), Chair, Computer Science Faculty Search Committee

Massachusetts Institute of Technology, Cambridge, MA

Faculty Positions

The Massachusetts Institute of Technology (MIT) Department of Electrical Engineering and Computer Science (EECS) seeks candidates for faculty positions starting in September 1, 2019, or on a mutually agreed date thereafter. Appointment will be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible. Faculty duties include teaching at the



Middlebury
College

Tenure-Track Faculty Position in Computer Science at Middlebury College

Middlebury College invites applications for a tenure-track faculty position in computer science, beginning in Fall 2019, with open specialization.

For more information about the position and the application process see

<http://apptrkr.com/1292161>

Review of applications will begin on November 12, 2018.

An Equal Opportunity Employer, the College is committed to hiring a diverse faculty as we work to foster innovation in our curriculum and to provide a rich and varied educational experience to our increasingly diverse student body.

undergraduate and graduate levels, advising students, conducting original scholarly research, and developing course materials at the graduate and undergraduate levels. Candidates should hold a Ph.D. in electrical engineering and computer science or a related field by the start of employment. We will consider candidates with research and teaching interests in any area of electrical engineering and computer science.

Candidates must register with the EECS search website at <https://school-of-engineering-faculty-search.mit.edu/eecs/> and must submit application materials electronically to this website. Candidate applications should include a description of professional interests and goals in both teaching and research. Each application should include a curriculum vitae and the names and addresses of three or more individuals who will provide letters of recommendation. Letter writers should submit their letters directly to MIT, preferably on the website or by mailing to the address below. Complete applications should be received by December 1, 2018. Applications will be considered complete only when both the applicant materials and **at least three letters of recommendation are received.**

It is the responsibility of the candidate to arrange reference letters to be uploaded at <https://school-of-engineering-faculty-search.mit.edu/eecs/> by December 1, 2018.

Send all materials not submitted on the website to:

Professor Asu Ozdaglar Department Head,
Electrical Engineering and Computer
Science Massachusetts Institute of
Technology Room 38-403 77 Massachusetts
Avenue Cambridge, MA 02139

M.I.T. is an equal opportunity/affirmative
action employer. Women and minorities
are encouraged to apply.

Middle Tennessee State University

*Computer Science Tenure-Track Faculty
and Chair, Computer Science, Tenure-
Track Faculty*

The Department of Computer Science at
MTSU (<http://www.mtsu.edu/csc/>) invites
applications for:

For position 1 - Computer Science,
Chair - Middle Tennessee State University
seeks an innovative leader to chair the
Department of Computer Science. The
successful candidate must hold a Ph.D. in
computer science or a related field and
qualify for rank of full professor at time
of employment. Candidate must have
an extensive background in computer
science; record of excellence in teaching,
research, and grantsmanship; excellent
communication and interpersonal skills;
demonstrated vision and leadership;
and experience and ability to work
productively with faculty and students
from diverse backgrounds. The position
begins August 1, 2019. The successful
candidate must hold a Ph.D. in computer
science or related field. <https://mtsjobs.mtsu.edu/postings/7221>

For position 2 - Computer Science,
Tenure-Track Faculty - The College of
Basic & Applied Sciences, Department
of Computer Science seeks a full time,
tenure-track faculty position (#107460),
at the assistant/associate professor
rank. The position begins August 1, 2019.
The successful applicant would have
interdisciplinary research interests that
fit within the Computational Science PhD
program at MTSU. They would also be
expected to teach both undergraduate and
graduate level courses, create a productive
research program, and engage students
(including undergraduates) in research.
Applicants are invited from all areas of
computer science, but we are particularly
interested in applicants whose work is tied
to solving scientific problems using high
performance computing and data mining.
The position begins August 1, 2019. Ph.D.
in Computer Science or closely related
field required by August 1, 2019. [https://
mtsjobs.mtsu.edu/postings/7106](https://mtsjobs.mtsu.edu/postings/7106)

MTSU is an equal opportunity, affirmative
action employer that values diversity in all
its forms. Women, minorities, individuals
with disabilities and protected veterans
are encouraged to apply.

Mississippi State University

*Faculty Positions in Computer Science
and Engineering*

The Department of Computer Science and
Engineering (<http://www.cse.msstate.edu>) is seeking two new tenure-track
faculty at the rank of Assistant Professor

or Associate Professor. All areas of Computer Science are considered but preference is given to Software Engineering and Computer Security.

Mississippi State University is a comprehensive land-grant institution with over 24,000 students and 1,300 faculty members. The Department of Computer Science and Engineering offers a B.S. in computer science, software engineering, and computer engineering. It also offers an M.S. in computer science and cyber security operations, and a Ph.D. in computer science. In the last fiscal year, department's research expenditures totaled approximately \$10 million, and the university as a whole is ranked 50th among U.S. institutions in computer science expenditures.

Candidates for this position are expected to hold a Ph.D. in Computer Science or closely related field (ABDs may be considered). Rank will be commensurate with experience and qualifications. Preferred qualifications include teaching and research experience, a substantial record of peer-review publications, and demonstrated ability to secure external funding. However, recent graduates with exceptional academic credentials are encouraged to apply. Preference will be given to individuals with a track record of interdisciplinary research collaboration.

Candidates must apply at: <http://explore.msujobs.msstate.edu/cw/enus/job/497680?lApplicationSubSourceID>

and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications will begin as early as September 24, 2018, and will continue until the position is filled.

MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, ethnicity, sex (including pregnancy and gender identity), national origin, disability status, age, sexual orientation, genetic information, protected veteran status, or any other characteristic protected by law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

Missouri State University

Assistant Professor, Computer Science

The Computer Science Department at Missouri State University invites applications for a tenure-track Assistant Professor position starting Spring or Fall 2019. A PhD in CS or closely related field is required (ABD may be considered). Applicants are invited from all areas of computer science, but candidates with experience in Security, Data Science, HCI, and VR/Games are highly encouraged to apply.

To learn more visit <https://jobs.missouristate.edu/postings/41144>.

Employment will require a criminal background check at University expense.

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

MIT

Postdoc in Machine Learning for Health

See <http://web.mit.edu/lilehman/www/postdoc.html> for details.

Montana Tech

Assistant Professor

The Department of Computer Science at Montana Tech is seeking qualified applicants for a tenure track position at the Assistant Professor level with expertise in software engineering and/or computer science starting in January 2019. Responsibilities include teaching software engineering and computer science at all undergraduate levels, active scholarship, and service to the department and college. Salary is commensurate with qualifications and experience.

For more information and to apply visit <https://montanatechuniversity.applytojob.com/apply>

National University of Singapore

Tenure-track Assistant Professor Positions in Computer Science

The Department of Computer Science at the National University of Singapore (NUS) invites applications for tenure-track Assistant Professor positions in all areas of computer science. Candidates should be early in their academic careers and yet demonstrate outstanding research potential, and a strong commitment to teaching.

The Department enjoys ample research funding, moderate teaching loads, excellent facilities, and extensive international collaborations. We have a full range of faculty covering all major research areas in computer science and boasts a thriving PhD program that attracts the brightest students from the region and beyond. More information is available at www.comp.nus.edu.sg/careers

NUS is an equal opportunity employer that offers highly competitive salaries, and is situated in Singapore, an English-speaking cosmopolitan city that is a melting pot of many cultures, both the east and the west. Singapore offers high-quality education and healthcare at all levels, as well as very low tax rates.

Application Details:

- Submit the following documents (in a single PDF) online via: <https://faces.comp.nus.edu.sg>
 - A cover letter that indicates the position applied for and the main research interests
 - Curriculum Vitae

- A teaching statement
- A research statement
- Provide the contact information of 3 referees when submitting your online application, or, arrange for at least 3 references to be sent directly to csrec@comp.nus.edu.sg
- Application reviews will commence immediately and continue until the positions are filled

If you have further enquiries, please contact the Search Committee Chair, Weng-Fai Wong, at csrec@comp.nus.edu.sg

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>.

Professional Opportunities

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.

United Arab Emirates Nationals are encouraged to apply.

North Central College

Assistant Professor of Computer Science

The Computer Science and Engineering Department at North Central College invites applications for a tenure-track position to begin August 2019. A PhD in computer science or a closely related field in computing is required, but ABDs within one year of degree completion will be considered. Candidates should have demonstrated potential for excellence in undergraduate teaching and mentoring, and must be committed to ongoing scholarship.

Founded in 1861, North Central College is a selective, comprehensive liberal arts institution located 28 miles west of Chicago in Naperville. The college is within walking distance of the Naperville Metra station and is next to downtown Naperville. The Naperville area is home to many excellent school districts and Naperville, IL has been

ranked as one of the best places to live by Money magazine.

For more information, please visit: <https://northcentralcollege.peopleadmin.com/postings/5357>

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

Northern Illinois University

Tenure-Track Faculty Positions

The Computer Science Department at Northern Illinois University invites applicants to tenure-track appointments at the rank of Assistant Professor to start in August 2019. Responsibilities include teaching, scholarship, seeking external funding, and service.

Candidates must have or expect to complete a Ph.D. or equivalent degree in computer science or related field by August 16, 2019. Candidates from all research areas are welcome, but preference will be given to candidates with expertise in one of the following: High-Performance Computing, Data Science, Workflows, Machine Learning, or Software Engineering.

Candidates must have expertise or evident potential for quality teaching in computer science at both the undergraduate and graduate levels. Further, candidates must show evidence of, or potential for, publishing in premiere peer-reviewed journals, developing an independent line of research, and securing

external funding. Finally, candidates must have effective interpersonal communication skills and a commitment to working effectively in a collegial, multicultural environment.

Northern Illinois University values candidates who have experience working in settings with students from diverse cultural backgrounds, and who possess a commitment to improving their access to higher education and achievement. Northern Illinois University is an Affirmative Action/Equal Opportunity Employer. A pre-employment criminal background investigation is required.

Qualified individuals must submit a cover letter, current curriculum vitae, a statement of research vision, a statement of teaching philosophy, and a list of at least three references. Review of applications will begin on November 30, 2018 and continue until the positions have been filled. All materials must be submitted at <https://employment.niu.edu/postings/37508>.

Northern Kentucky University

Assistant / Associate / Professor of Practice (Multiple Faculty Positions)

The College of Informatics (<http://informatics.nku.edu>) at Northern Kentucky University invites applications for multiple faculty positions at Assistant Professor, Associate Professor, and Professor of Practice levels. The department of Computer Science (<http://cs.nku.edu>), housed in College

of Informatics, is organizing searches for seven of these positions.

The positions descriptions, required qualifications, and application procedure are available at <https://jobs.nku.edu/postings/7309>

The review of applications begins immediately. For full consideration, apply by November 25, 2018. Applications will be accepted until the positions are filled.

NYU Abu Dhabi

Computational Social Science Professor - Open Rank

The Social Science Division at New York University Abu Dhabi (NYUAD) is inviting applications for full time faculty positions in Computational Social Sciences, from senior scholars - at the rank of associate and full professors - and exceptional early career scholars.

We encourage applications from all excellent candidates in any field answering social-science questions, as long as they have a strong focus on (big) data collection and visualization; data management and analysis techniques such as machine learning, text analysis, network science/analysis, spatial data analysis/GIS.

All candidates should demonstrate important contributions to their area of research as evidenced e.g. by significant publications in top international academic journals and a history of acquiring third party funding, as well as the ability to

mentor and collaborate with a group of junior social scientists.

NYUAD expects successful candidates to continue to publish in high quality internationally refereed journals. The position features a standard teaching load of three courses per year. The terms of employment are very competitive and include generous start-up and on-going research funds, as well as housing subsidies and educational subsidies for children. Faculty may also spend an occasional semester at NYU New York and other sites of the Global Network, engaging in both research and teaching activities.

You may find further information about our group at: <https://nyuad.nyu.edu/en/academics/divisions/social-science/faculty.html>

The review of applications will occur on a rolling basis. Shortlisted candidates will be invited for campus visits to NYU Abu Dhabi throughout 2018. We anticipate that successful candidates will start employment on August 15, 2019, subject to final budget approval.

For a description of the application process, and to submit an application, please visit <https://apply.interfolio.com/52984>.

For more information please visit <https://nyuad.nyu.edu/en/about/careers.html>.

If you have any questions, please e-mail nyuad.socialscience@nyu.edu.

EOE/AA/Minorities/Females/Vet/Disabled/Sexual Orientation/Gender Identity Employer



Professional Opportunities



Tenure-Track/Tenured Faculty Positions in Data Science for Large Astronomical Surveys

Penn State is adding new open-rank faculty positions to build on existing excellence in astrophysics, data sciences, computational and statistical sciences, through a cluster hire with a theme of Data Sciences for application to large astronomical surveys, such as the Large Synoptic Survey Telescope (LSST; <https://www.lsst.org/>). We seek outstanding data scientists with experience applying advanced statistical and computational methods to making research breakthroughs with large astronomical surveys, a compelling vision for extending their research program into the LSST-era, and a demonstrated commitment to interdisciplinary research and education. This cluster hire initiative at Penn State is a partnership of the Institute of CyberScience (ICS; <https://ics.psu.edu/>) with the College of Engineering (CoE; <https://www.engr.psu.edu/>), College of Information Sciences and Technology (IST; <https://www.ist.psu.edu/>), and the Eberly College of Science (ECoS; <http://science.psu.edu/>). New faculty will be offered an appointment and tenure home in one of many excellent Departments in CoE, IST or ECoS and will be encouraged to pursue multidisciplinary research in collaboration with faculty across these departments and ICS. Successful candidates will have a Ph.D. in a relevant field (e.g., astronomy, astrophysics, big data systems, computer science, data sciences, high-performance computing, informatics, machine learning, physics, or statistics) prior to starting. We encourage applications from individuals of diverse backgrounds, candidates interested in developing interdisciplinary research programs to increase the scientific impact of LSST, and candidates interested in teaching in Computer Science (<https://www.eecs.psu.edu/>) and/or Data Sciences, a new intercollege undergraduate major (<https://datasciences.psu.edu/>). 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. Our affiliated faculty utilize our ICS operated Advanced Cyber Infrastructure (ICS-ACI), Penn State's high-performance research cloud, which is in the top 15 among our peers. Successful candidates will become part of the Institute for CyberScience. They will be expected to contribute to a collaborative, interdisciplinary, scholarly community focused on the development and application of innovative computational and statistical methods. Candidates are encouraged to identify collaboration opportunities within ICS and/or Penn State's others centers of excellence, such as the Center for Astrostatistics (<http://astrostatistics.psu.edu/>), Center for Big Data Analytics and Discovery Informatics (<http://discovery-informatics.ist.psu.edu/>), Center for Machine Learning and Applications (<https://cmla.cse.psu.edu/>), and Institute for Gravitation and the Cosmos (<http://gravity.psu.edu/>). Penn State offers access to an outstanding collaborative environment, world-class instrumentation and research facilities, as well as highly competitive salaries and startup packages. Penn State is a member institution of the LSST, a partner in the Hobby-Eberly Telescope (HET) and the HET Dark Energy Experiment (<http://www.hetdex.org>), a Participating Institution in the Sloan Digital Sky Survey, a major partner in the Chandra and Swift X-ray observatories, and home to Astrophysical Multimessenger Observatory Network (<https://www.amon.psu.edu/>). University Park is Penn State's largest campus with an enrollment of approximately 46,000 students and offers more than 100 programs of graduate study. The surrounding community of State College is a quintessential university town well known for its exceptional quality of life, including a low cost of living, a growing economy, a diverse offering of cultural and recreational opportunities, and excellent resources for families, including two on-campus child care centers and well regarded local school systems. To apply, please upload only basic personal information, but not other information listed below. In addition, interested applicants must submit the following material to Academic Jobs Online (<https://academicjobsonline.org/ajo/jobs/11590>) for the application to be complete: (1) cover letter; (2) curriculum vitae including publications list; and (3) a description of future research plans and teaching interests. Applicants should also arrange for three references to be submitted via AcademicJobsOnline. In order to accommodate the multidisciplinary nature of this search review of applications will begin October 1, 2018 and continue until all positions are filled. Complete applications received by December 31, 2018 are guaranteed to receive full consideration. We welcome informal inquiries regarding these positions to <mailto:LSST-Data-Science-Questions@lists.psu.edu>.

Apply online at <http://apptrk.com/1278716>

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

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



Teaching Faculty Positions, Information Sciences and Technology

The College of Information Sciences and Technology at the Pennsylvania State University invites applications for multiple, open-rank teaching faculty positions. Applications are being accepted for the following areas:

- Application Design and Development
- Enterprise Architecture
- Cybersecurity
- Data Sciences

Selected candidates will have backgrounds and ability to teach introductory and advanced courses in one or more of the following areas: Application Design and Development, including web-based and mobile systems, and project management; Enterprise Architecture and Integration, including cloud computing; Cybersecurity, including cyber-defense and data-driven technologies, cloud security, adversarial reasoning, and information security risk analysis and management; Data Sciences, including non-relational databases, machine learning, and data integration.

These are multi-year, fixed-term appointments with an excellent possibility of renewal. Successful applicants must be prepared to contribute through teaching in both our residential and online programs. Contributions to our undergraduate programs is expected, with the ability to contribute to graduate programs desirable. Successful applicants should have a Master's degree or terminal degree in a related discipline. Either teaching or IT industry experience in one or more areas listed above is preferred. Applicants will be considered for a teaching faculty rank commensurate with their education and experience.

Penn State's College of IST, established in 1999, has been successful in innovating both undergraduate and graduate education programs to prepare the next generation of IT workforce for both the opportunities and challenges of today's Digital Age. For a more detailed description of the College, please visit our website at <http://ist.psu.edu>.

TO APPLY visit <http://apptrk.com/1285734>

Please upload only basic personal information, but not other information listed below.

IN ADDITION, interested applicants MUST submit the following material to <https://academicjobsonline.org/ajo/jobs/11416> with their cover letter detailing relevant qualifications for this job, a resume or curriculum vitae, a one (1) page teaching statement, and three (3) reference letters. Review of applications will begin immediately, with the possibility of positions beginning in January 2019. Inquiries about the positions may be directed to <mailto:facultyrecruiting@ist.psu.edu>.

The Pennsylvania State University is the land grant institution of Pennsylvania. University Park is the largest of Penn State's 24 campuses, with undergraduate enrollment of approximately 44,000 students and offering more than 150 programs of graduate study. The College of IST has award-winning faculty and state-of-the-art facilities. Both faculty and students are dedicated to collaboration and applying knowledge to make our lives better. University Park is located in Pennsylvania in the State College area, which has been ranked as the 3rd safest metropolitan area in the United States by CQ Press, and the 8th best college town in the nation by Best College Reviews.

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

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

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 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/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 October 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.

United Arab Emirates Nationals are encouraged to apply.

The Ohio State University

Clinical Faculty

The Computer Science and Engineering Department at The Ohio State University seeks to fill one Assistant/Associate Professor of Practice clinical-track position starting in Autumn 2019. This is a full-time, non-tenure-track three-year contract faculty position which is renewable.

Clinical-track faculty members will develop, enhance, and teach courses across the computer science curriculum, in particular those emphasizing professional computing practices and practical design and implementation projects such as junior project courses and capstone design courses. Clinical-track faculty will work on innovative projects, as part of independent studies with individual students, at the undergraduate and/or MS level. Clinical faculty may also collaborate on and/or lead research and development projects, including collaborations with industry, and large-scale research and development projects, as well as education-oriented projects.

Applicants must have a Ph.D. in Computer Science or closely related field, or equivalent professional experience. Additional details and application instructions are available at <https://cse.osu.edu/department/faculty-recruiting>. Review of applications will begin October 1, 2018 and will continue until the position is filled.

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.

Ohio University

Assistant/Associate/Full Professor position in Computer Science

The School of Electrical Engineering and Computer Science at Ohio University invites candidates to apply for a tenure-track position in computer science. The selected applicant will be expected to perform excellent research, teaching, and service in computer science. Departmental support will include initial reduced teaching loads, competitive salary and generous start-up funds. Candidates must have an earned doctorate computer science or a related discipline by start date of the appointment. Candidates from all relevant research areas are welcomed, but special consideration will be given to candidates with a record of high-quality research and scholarship in computer security, formal methods, artificial intelligence, machine learning, data analytics or software engineering.

The School of Electrical Engineering and Computer Science is in the Russ College of Engineering and Technology at Ohio University. The School of EECS offers bachelor's, master's, and doctoral degrees. At present there are roughly 500 undergraduate majors, 170 master's degree students and 40 PhD students in the School of EECS. We employ 22 full-time tenured and tenure-track faculty. New sponsored research awards in the School of EECS have averaged roughly

\$5M per year over the last five years, and numerous research collaboration opportunities exist within the School's Center for Scientific Computing and Immersive Technologies (CSCIT) and within the Avionics Engineering Center.

Ohio University is a public, comprehensive university that conducts high quality research across many disciplines, and emphasizes an excellent, learner-centered educational experience by providing undergraduate, graduate, and professional programs to approximately 20,000 students in a residential setting. The Ohio University area features a national forest, state parks and recreation opportunities such as hiking, bicycling, camping, and canoeing.

To apply, complete the online application and attach required documents. Required documents include: CV, cover letter, a statement of research interests and priorities, a statement of teaching philosophy and priorities, and a list of three references with current contact information.

<http://www.ohiouniversityjobs.com/postings/2818>

Review of applications will begin immediately and continue until the position is filled. For full consideration, please apply by December 2, 2018.

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 October 15, 2018; 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.

Oklahoma State University

Teaching Assistant Professor Positions

The Oklahoma State University (OSU) Computer Science Department is seeking applications for two Teaching Assistant Professor positions to begin on August 1, 2019. Teaching experience in any area of Computer Science is required. Successful

candidates must have completed a Ph.D. in Computer Science or a closely-related field from an accredited institution by time of appointment.

The position is for the main OSU campus in Stillwater; however, duties may be assigned 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.

One of these Teaching Assistant Professor positions will be responsible for developing and teaching courses to support the new online Computer Science BS degree program.

Teaching Assistant Professors are encouraged to explore research and collaboration opportunities with other faculty, industry, and research institutions. However, this is not a requirement.

To apply, visit http://cs.okstate.edu/TAP_Search-2019-2020

For full consideration, applications should be received by October 15, 2018; however, applications will be considered

ROCHESTER INSTITUTE OF TECHNOLOGY
Rochester, New York

Computing and Information Sciences - Multiple Openings for Fall 2019

The B. Thomas Golisano College of Computing and Information Sciences at the Rochester Institute of Technology invites applications and nominations for the following faculty positions:

- Tenure-track faculty (multiple positions - all ranks considered) with expertise in one or more of the following or related areas: computing accessibility for people with disabilities or older adults; data visualization; human-centered machine learning; health informatics; social computing; or wearable, mobile, or ubiquitous systems. Outstanding applicants in other areas of HCI will also be considered, especially those with methodological expertise in physical or interactive prototyping for system-building and evaluation (#3935BR)
- Tenure-track assistant professor (multiple positions) in all areas of computational media with respect to game and interactive media development, including but not limited to: artificial intelligence; VR/AR and real-time computer graphics; programming pedagogy; game engines and systems; game design and development; web development; physical computing; aesthetic/creative computing; digital audio/sound design (#4021BR)
- Tenure-track faculty (multiple positions – all ranks considered) with expertise and collaborative potential in one or more of the following areas: experimental media-centric experiences, game development, game animation, virtual reality, digital media, 3D animation, and interactive film. (#4027BR)
- Non-tenure track Lecturer with expertise in most or all of the following languages: Basic Java, C#, and PHP; Consumption of web services using JavaScript and C#; production of web services using C#, Java, and PHP; and system administration scripting with Python and Bash (#4072BR)

Candidates should visit <http://careers.rit.edu/faculty> and refer to the BR numbers listed above for specific information about the positions and the application process. Refer to www.rit.edu for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

The B. Thomas Golisano College of Computing and Information Sciences is the largest of RIT's nine colleges and has an enrollment of over 3300 undergraduate students and 850 graduate students. The college, with over 140 faculty members, is housed in a modern facility equipped with numerous teaching and research laboratories. The college is home to the departments of Computer Science, Computing Security, Information Sciences and Technologies, Software Engineering, the School of Interactive Games and Media, and a college-wide PhD program, providing many opportunities for cooperation and research collaboration within and beyond the college.

RIT has been honored by *The Chronicle of Higher Education* as one of the "Great Colleges to Work For" for four years. RIT is a National Science Foundation ADVANCE Institutional Transformation site. RIT is responsive to the needs of dual-career couples by our membership in the [Upstate NY HERC](http://www.upstate.ny.gov/HERC).

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/Title IX](http://rit.edu/title-ix) or the U.S. Department of Education at [ED.Gov](http://ED.gov)

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until the position has been filled. The filling of these positions is contingent upon availability of funding.

A successful faculty candidate should be willing to teach from a multicultural perspective and should demonstrate a commitment to mentoring underrepresented students. Recent departmental diversity statistics for underrepresented undergraduate students are 15% female, 4% African American, 4% Native American, and 5% Hispanic.

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OSU-Stillwater is a tobacco-free campus.

Oregon State University

Multiple Faculty Positions in Computer Science

Oregon State University | College of Engineering As part of an expansive search, the School of Electrical Engineering and Computer Science at Oregon State University invites applications for several full-time, nine-month, tenure-track faculty positions to begin in Fall 2019. Candidates with a strong research record in the following areas of Computer Science will be considered: Programming Languages, Databases, Software Engineering, and Artificial intelligence. Appointment is anticipated at the Assistant Professor rank, but candidates with exceptional qualifications may be considered for appointment at the rank of Associate or Full Professor.

Applicants must hold a doctorate degree in Computer Science or closely related field by the start of employment. Applicants should demonstrate a strong commitment and capacity to imitate new funded research as well as to expand, complement, and collaborate with existing research programs in the OSU College of Engineering and beyond. As part of the position, applicants have to regularly perform graduate and undergraduate teaching duties, including developing new courses related to their research expertise. The university is located in Corvallis, at the heart of Oregon's Willamette valley and close to Portland's Silicon Forest with numerous collaboration opportunities. Faculty members of the School of EECS are active participants of the recently established Collaborative Robotics and Intelligent Systems institute (CoRIS).

The school hosts an innovative distance education post baccalaureate degree program in Computer Science which is highly rated. Corvallis has been ranked # 1 on a list of "Best Places for Work-Life Balance" and is within easy reach of the Cascade mountains and the Oregon Coast. Oregon State University has a strong institutional commitment to diversity and multiculturalism, and provides a welcoming atmosphere with unique professional opportunities for leaders from underrepresented groups. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, and individuals with disabilities, veterans, LGBTQ community members, and others who share our vision of an inclusive community.

Apply online at <https://jobs.oregonstate.edu/postings/66510> with the following documents: A letter of interest; vita; a two-page statement of research interests; a one-page statement of teaching interests; a one-page statement on efforts towards equity and inclusion; and names and contact information for at least three references. To be assured full consideration, applications must be received by December 15, 2018.

Oxford College of Emory University

Assistant Professor, Tenure Track, Computer Science

Located in Oxford, Georgia, Oxford College of Emory University invites applications for a tenure-track Assistant Professor of Computer Science beginning August 2019. All areas of specialization will be considered.

Interested candidates should review the complete posting at <http://apply.interfolio.com/54034>.

Applications will be reviewed until the position is filled.

Complete applications with cover letters submitted by October 1, 2018 will receive full consideration.

Purdue University College Of Engineering

Assistant Professor - Faculty Positions School Of Electrical And Computer Engineering

The School of Electrical and Computer Engineering (ECE) at Purdue University has identified **novel paradigms in computing and information systems** as a thrust for cross-disciplinary research and education and are accepting applications for two tenure-track or tenured faculty positions at all ranks. The next generation of computing and information systems will need to be highly intelligent, large scale, parallel, and distributed. This will only be possible through the introduction of novel paradigms in the design and architecture of hardware, software, and algorithms and in their interdisciplinary application to physical, scientific, engineering, and societal challenges. Successful candidates are expected to have demonstrated a strong track record of research in computer systems engineering with possible expertise in machine learning, computer systems hardware and software, algorithms, information processing, communications, data science, and control. Applicants may also bridge to other areas of internationally recognized strengths at Purdue (engineering.purdue.edu/PQC; engineering.purdue.edu/C-BRIC; integratedimaging.purdue.edu; <https://www.purdue.edu/data-science/>), and leverage these and similar thrusts to build bridges to ongoing college and university-wide interdisciplinary efforts in the broader area of data sciences.

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

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications> coecademicaffairs@purdue.edu, including curriculum vitae, teaching and research plans, and names of three references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at . Review of applications will begin on October 1st and will continue until both positions are filled. A background check will be required for employment in this position.

Purdue University's School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Purdue'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 and the College of Engineering have a Concierge Program to assist new faculty and facilitate their relocation.

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 Engineering

Faculty Positions In Data Science

The College of Engineering at Purdue University invites applications for two tenure-track faculty positions in Foundations of Data Science including machine learning, artificial intelligence, statistical signal processing, and optimization. The focus is on the assistant professor level, but outstanding individuals at all levels of experience will be considered. Applicants with an outstanding research record and the ability to collaborate across engineering disciplines are encouraged to apply.

Candidates must hold a Ph.D. or equivalent in computer science, engineering, operations research, statistics, or a related field. Successful candidates will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service both at the School and University

levels. Candidates with experience working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply.

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>, including curriculum vitae, teaching and research plans, copies of two representative papers, and names and contact information of three references. For information/questions regarding applications, contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. For questions regarding the position, email the search committee chair, Professor James V. Krogmeier - jvk@purdue.edu. Review of applications will begin on **September 15, 2018** and will continue until the positions are filled. A background check will be required for employment in this position.

The College of Engineering is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Purdue'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 and the College of Engineering have a

Concierge Program that provides dual career assistance and relocation services.

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

Purdue University

Head of the Department of Computer Science

The College of Science at Purdue University invites nominations and applications for the position of Head of the Department of Computer Science. The department seeks a dynamic research leader and innovative educator with creative vision and an outstanding record of achievement, ready to take a strong and growing department to the very top ranks.

One of Purdue's signature areas of investment, Computer Science has simultaneously doubled its undergraduate population over the past 6 years while becoming twice as competitive for entry, making it the most selective undergraduate program on campus. Entering its next significant phase of expansion, opportunities abound for the right leader to make an outsized impact on the University and the profession by substantially growing the Department's visibility and stature.

With 55 full-time faculty, 250 PhD students, 120 Master's students and over 1800 outstanding undergraduates, the Department is integral to a number

of key strategic priorities declared by Purdue's Board of Trustees. Among these is a new campus-wide focus on data science, coinciding with a newly launched undergraduate major connecting Computer Science, Statistics, and Mathematics at Purdue. The Department also leads and plays a major role in several significant University centers and institutes spanning cybersecurity, information theory, defense, policy, and other topics.

The Department's research expenditures exceed \$15 million annually, and its teaching and research activities cover a broad range of topics including bioinformatics and computational biology, computational science and engineering, databases and data mining, distributed systems, graphics and visualization, information security and assurance, machine learning and information retrieval, networking and operating systems, programming languages and compilers, software engineering, and theory of computing and algorithms. For more information, see <http://www.cs.purdue.edu/>.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue, with nearly 350 faculty and over 6000 students. Under new leadership and with multiple commitments of significant investment, the College is paving the way for Computer Science to lead across Purdue and connect not only with the

sciences, but across top-ranked programs in Agriculture, Business, Engineering, Health, and a variety of other areas. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects. For more information, see <https://www.purdue.edu/purduemoves/initiatives/stem/index.php>.

Position Qualifications

The successful candidate will have an exemplary record of scholarly achievement along with outstanding leadership potential. It is expected that candidates for this position will have an earned doctorate in computer science or related field and a level of 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 Computer Science programs.

The Head will work with faculty colleagues to build and achieve a compelling vision for the future of the Department, and to continue and accelerate the advancement of its nationally-ranked program through a commitment to excel in all aspects of the Department's mission. Highly desirable qualities include an understanding of the current needs and future direction of computer science as an academic discipline, a commitment to diversity and collaboration, and skills in academic leadership, student relations, mentoring, and alumni relations development.

Confidential nominations and inquires

can be sent to head-search@cs.purdue.edu. Candidates should submit a letter of application articulating a vision for the future of computer science, a statement of research and teaching, and a complete curriculum vitae with names and email addresses of at least five references. Applications and nominations will be held in strict confidence; review of the same will begin immediately and continue until the position is filled. Application materials can be uploaded at:

<https://hiring.science.purdue.edu>

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

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

Rhodes College

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Rhodes College invites applications for a tenure-track position as an Assistant Professor of Computer Science beginning in August 2019.

Please visit <https://jobs.rhodes.edu/postings/2878> for more information.

Rollins College

Assistant Professor, Computer Science

The Department of Mathematics and Computer Science at Rollins College invites applications for a tenure-track computer science position at the assistant level, beginning in August 2019. The area of specialization is open.

Our dynamic department is looking for a colleague who is excited about teaching and mentoring at a liberal arts college. The successful applicant should be able to teach a variety of computer science courses, ranging from introductory level to advanced undergraduate, and show an interest in developing courses that serve other majors and our college's general education program. We are looking for a candidate who is passionate about encouraging women and people in other underrepresented groups to pursue computer science.

Our current students and alumni can be found working at some of the world's leading technology companies and government labs, including Apple, Amazon, GitHub, Los Alamos National Laboratories, and NASA. Other recent students are attending graduate programs at Georgia Tech, UC-Berkeley, and the University of Notre Dame, among others. Our students are active in the community and passionate about the future of computer science. One group of recent students

received a Google igniteCS grant to teach programming to elementary-age students. Others teamed up with Tesla-Solar City to organize a meet-up for creating applications and devices devoted to sustainability issues.

Our new colleague will be expected to establish a record of scholarly activity. The department encourages student-faculty collaboration and commitment to involvement with student groups, campus activities, and department and college decision-making.

Rollins College is a comprehensive liberal arts college located just north of Orlando, FL, a diverse metropolitan community with a thriving economic and cultural scene. Nearby Orlando International Airport provides easy access to U.S. and international destinations. The college emphasizes innovative and quality teaching in small classes, and ranks number one among 121 Southern master's-level universities in the annual rankings of "America's Best Colleges," released by U.S. News & World Report. Please visit the college website at www.rollins.edu.

To apply, please submit an application and upload the following materials:

- A letter of interest
- Curriculum vitae
- Statement of teaching philosophy
- Statement of research interests
- Names and contact information for three references

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

Review of applications will begin on October 15 and continue until the position is filled.

Our Values:

Rollins seeks to foster and to model a campus environment that is welcoming, safe, and inclusive to all of our administrators, faculty, staff, and students. We view differences (e.g. nationality, race, gender, age, sexual orientation, socioeconomic class, physical ability, learning styles, perspectives, etc.) not as obstacles to be overcome but as rich opportunities for understanding, learning, and growth.

Through its mission, Rollins College is firmly committed to creating a just community that embraces multiculturalism; persons from historically under-represented minority groups are therefore encouraged to apply. Rollins does not discriminate on the basis of sex, disability, race, age, religion, color, national or ethnic origin, ancestry, marital status, veteran status, sexual orientation, gender identity, gender expression, genetic information, physical characteristics, or any other category protected by federal, state, or local law, in its educational programs and activities.

Saint Mary's College

Assistant or Associate Professor of Computer Science

Institutional Description/Background:

Saint Mary's College of California is a private, Catholic, comprehensive and co-educational university that engages students in rigorous critical thinking, promotes social justice, and educates for human fulfillment consistent with its liberal arts, Catholic and Lasallian traditions. The de La Salle Christian Brothers, the largest teaching order of the Roman Catholic Church, guide the spiritual and academic character of the College. An outstanding, committed faculty and staff who value shared inquiry, integrative learning and student interaction bring Saint Mary's heritage to life. Located on a stunning 420-acre campus in the Moraga Hills outside of San Francisco, Saint Mary's is known for its rigorous liberal arts education and its high quality graduate programs, including business, education, counseling, leadership, and the arts. Saint Mary's has a diverse student body of approximately 4,000 students, and the College's practices and policies reflect a commitment to inclusive excellence and a community in which all are valued, respected and supported.

For more information about Saint Mary's mission and history, see: <http://www.stmarys-ca.edu/about-smc/our-mission>.

Faculty Responsibilities:

The faculty member will teach introductory programming CS electives and some classes in mathematics. The person will also be heavily involved in program and course

development as we add classes to create the CS split major and ultimately the CS major. Saint Mary's faculty are expected to maintain an active scholarly agenda and demonstrate intellectual growth and significant achievement appropriate to their field. Faculty also contribute to the mission and serve the College and community in many ways, including academic advising, student and community outreach, participation in departmental and College-wide committees, and the development and assessment of the College's Core Curriculum. Faculty are also encouraged to teach in the College's Core Curriculum, January Term, and Collegiate Seminar programs.

Faculty Qualifications:

The position involves teaching, advising, and administrative responsibilities involved in the Computer Science program at Saint Mary's College. A Ph.D. or other suitable terminal degree in Computer Science or closely related field is required. The College has been designated a Minority and Hispanic-Serving Institution; many Saint Mary's students are first-generation-to-college. Successful candidates must be able to engage and support students of color, women, and other underrepresented groups, and will be interested in participating in initiatives that aim to increase inclusivity.

A completed application includes a letter of interest that specifically addresses your qualifications and preparation to support the mission of the College, a teaching statement and research statement, contact information for three (3) references, and a curriculum vitae. For full consideration an application should be received by 10/31/18.

San José State University

Assistant/Associate Professor

San José, California
Subject to Budgetary Approval

Specialization: Computer/Software
Engineering

Job Opening ID (JOID): 24736

Rank: Assistant/Associate Professor
(Tenure-Track)

For complete job description please see: <https://apply.interfolio.com/54344>

AA/EOE

Santa Clara University

Assistant Professor

The Department of Mathematics and Computer Science at Santa Clara University, a Jesuit, Catholic university, invites applications for two tenure-track assistant professor positions in computer science. Our highest preference is in candidates with research interests in an area related to algorithms and complexity, data science, or security. The successful candidates will demonstrate not only potential for excellent undergraduate teaching, but also promise in sustained research with opportunities to involve undergraduates, mentoring or recruiting underrepresented groups in computer science, and service to the department, College or University. Positions available starting in September 2019. Ph.D. or equivalent required by September 2019.

The closing date for applications is November 30, 2018 at 3 pm Pacific time. Undergraduate teaching only.

Santa Clara University, located in California's Silicon Valley, is a comprehensive, Jesuit, Catholic university, and an AA/EEO employer.

For more information, see www.scu.edu/hr/careers/faculty.cfm.

Shanghai Jiao Tong University

Faculty Position at Artificial Intelligence Institute

SJTU AI Institute (The Artificial Intelligence Institute at Shanghai Jiao Tong University) is seeking to fill several tenure-track positions in artificial intelligence at the rank of Assistant Professor and above.

Shanghai Jiao Tong University is one of the oldest and most prestigious universities in China, which enjoys a long history and a world-renowned reputation. The Artificial Intelligence Institute, founded in January 2018, is positioned to build **"AI" core** and **"AI+X" bridges**, and focuses on researches in the following interdisciplinary areas: artificial intelligence basic theory and technology, artificial intelligence chip and system architecture, intelligent medical integrated application platform, intelligent networked automotive testbed, smart city, intelligent finance, and other AI+Xs. SJTU AI Institute is committed to the advantages of pooling talents from different disciplines, and actively nurturing multidisciplinary, intercollegiate and distinctive research teams to promote the outstanding achievements.

SJTU AI Institute sincerely invites talents from the fields of artificial intelligence to join us. Research areas include (but are not limited to): machine learning, computer vision, natural language processing, multimedia intelligence, AI chip design, intelligent unmanned system, ADAS, intelligent medicine and so on.

Posts:

(I) Full professor with tenure

Requirements:

1. Associate professor or equivalent in overseas first-class universities or research institutes, or professor in top-ranking universities and research institutes in China.
2. Be able to lead the AI research frontiers and R&D of AI key technologies, and have the leadership to coordinate multidisciplinary collaborative researches, catch up or maintain world class research, and achieve extraordinary achievements recognized by domestic and international counterparts of this discipline.
3. Excellent academic reputation and noble morality, with innovation, exploration and solidarity.

(2) Tenure track associate professor

Requirements:

1. Have a doctoral degree in a world-class university and have more than three years of overseas research experience after obtaining the PhD. General age requirement: under 40 years old.

2. Carry out innovative research in the frontier areas of the academic field, obtain important research results, demonstrate strong academic potential, and reach the level of an assistant professor at a world-class university.

3. Exception can be made to extraordinary overseas PhD, who may not be subject to the aforementioned requirement of three years of oversea research experience after obtaining the PhD.

(3) Tenure track assistant professor

Requirements:

1. Obtain related professional doctorates in well-known universities and research institutions in China and abroad, and have more than three consecutive years of overseas research experience. General age requirement: under 35 years old.
2. Carry out innovative research work in the frontier areas of the academic field, achieve important research results, and demonstrate strong academic potential.
3. Exception can be made to extraordinary overseas Ph.D., who may not be subject to the aforementioned requirement of three years of oversea research experience after obtaining the Ph.D..

Salary and Bonus:

1. **Basic salary:** the salary of full professor with tenure is negotiable; the annual salary of tenure track associate professor is RMB400,000+Yuan, tenure track assistant professor RMB300,000+Yuan.

2. **Research support:** Ph.D. or master degree student enrollment; provide funding for the initiation of research according to the work needs, RMB600,000Yuan for tenure track associate professor, and RMB150,000Yuan for tenure track assistant professor.

3. **Settlement subsidy:** provide settlement subsidy and transitional teacher apartments. Tenure track associate professor will have settling-in and housing allowances of RMB 500,000Yuan, and tenure track assistant professor of RMB300,000Yuan.

4. **Other benefits:** Provide various types of insurance and housing accumulation funds; rely on strong affiliated hospital resources to provide good medical services; assist in the employment of spouse; and provide preferential policies and conditions for children's enrollment.

5. The Institute provides **additional incentives and necessary conditions** for job development, according to actual condition.

6. For those who are successfully selected for the **Thousand Talent Program** for Young Outstanding Scientists, the annual salary will be RMB450,000+Yuan, and the subsidy for housing will be RMB1,500,000+Yuan (including national and Shanghai subsidy), and provide research funding with 1:1 match on the top of national standard.

Application:

Please send your application materials to Ms. Xiaohui Du (duxiaohui2010@sjtu.edu.cn)

1. Personal resume (including name, date of birth, contact information, major research and teaching areas, list of publications, etc.);
2. List of published papers, and PDF files of five representative papers;
3. Research and teaching overview;
4. 3-5 letters of recommendation (there must be letters of recommendation from his/her doctoral supervisor, postdoctoral supervisor and a research collaborator).

There is no limit to the number of positions above.

Welcome to join us!

Simon Fraser University

Teaching Faculty (Lecturer)

The School of Computing Science invites applications for a full time continuing Lecturer position (Teaching Faculty). A successful candidate will be expected to teach various Computing Science courses at introductory and advanced levels at the Surrey and Burnaby campuses of SFU. Candidates are expected to have passion for teaching, excellent communication skills, enthusiasm for developing new courses, and working knowledge of modern teaching methods and supporting tools (e.g., automatic code grading, online course delivery, pair/peer programming, online discussion forums, automatic code similarity check, and MOOCs).

An M.Sc. in Computing Science or a related discipline is required. A Ph.D. or

relevant industry experience would be an asset. Applicants with experience in the areas of systems, security, and software engineering will be given priority. The salary will be commensurate with qualifications and experience.

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 52 faculty members, approximately 350 Ph.D. and M.Sc. students, and 2,000 undergraduate majors.

The review of applications will start on **September 15, 2018** and will continue until the position is filled. For more information about Teaching Appointments at SFU see:

<https://www.sfu.ca/content/dam/sfu/faculty-relations/collective-agreement/CA.pdf>

To apply, submit your curriculum vitae and teaching statement, as well as the names and email addresses of three references to: <https://www.sfu.ca/computing/about/job-opportunities.html>. School of Computing Science Simon Fraser University, 8888 University Drive, British Columbia, Canada, V5A 1S6.

For questions or inquires please contact: cs-faculty-search@cs.sfu.ca

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

SFU is an equity employer and encourages applications from all qualified individuals including women, persons with disabilities, visible minorities, Indigenous Peoples, people of all sexual orientations and gender identities, and others who may contribute to the further diversification of the university.

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: https://www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html

Southwestern University

Assistant Professor of Computer Science - Tenure Track

Southwestern University near Austin, TX invites applications for a tenure-track Assistant Professor in Computer Science beginning August 2019. Candidates must possess a Ph.D. in Computer Science or closely-related field.

Apply at <http://apply.interfolio.com/53875>.

Stanford University Department of Computer Science

Faculty Openings

The Department of Computer Science at Stanford University invites applications for tenure track faculty positions at the junior level (Assistant or untenured Associate Professor)

and for tenured faculty positions at the Associate Professor level. We give higher priority to the overall originality and promise of the candidate's work than to the candidate's sub-area of specialization within Computer Science.

We are seeking applicants from all areas of Computer Science, spanning theoretical foundations, systems, software, and applications. We are also interested in applicants doing research at the frontiers of Computer Science with other disciplines, including but certainly not limited to those in the engineering, mathematical, medical, physical, and social sciences. Junior applicants must have completed (or be completing) a Ph.D., must have demonstrated the ability to pursue a program of research, and must have a strong commitment to graduate and undergraduate teaching. A successful candidate will be expected to teach courses at the graduate and undergraduate levels, and to build and lead a team of graduate students in Ph.D. research. Further information about the Computer Science Department can be found at <http://cs.stanford.edu>. The School of Engineering website may be found at <http://soe.stanford.edu>.

Application Requirements:

- All applications should include a curriculum vita, list of publications, and brief (3 page total) statements of research and teaching interests.
- Applicants for Assistant rank positions should submit the names and contact information of at least four references.

- Applicants for Associate rank positions should also submit the names and contact information of at least four references. We will request letters of recommendation for a short list of finalists only.

Please apply online at <https://www.applyweb.com/cgi-bin/app?s=STANFAC>. You will need to create a CollegeNet account if you do not already have one. Questions should be directed to, Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to search@cs.stanford.edu.

The review of applications will begin on November 16, 2018, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until January 13, 2019.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University's research, teaching and clinical missions.

Stanford University, Stanford, California

Associate or Full Professor in Statistics or Probability

The Statistics Department at Stanford University invites applications for a tenured position at the Associate or Full Professor level in Applied Statistics, Theoretical Statistics, or Probability.

Candidates must hold a Ph.D. in Statistics or a related area, and be internationally recognized for distinguished contributions in their field. The successful candidate will be expected to maintain a robust research program building on existing strengths and new collaborations, and to mentor junior researchers and students effectively. Candidate will be expected to teach both undergraduate and graduate courses.

Applicants should submit a letter of application, curriculum vita, a statement of research and teaching interests, and not more than one preprint/reprint. Applications should be submitted online at <https://academicjobsonline.org/ajol/jobs/11505>. Questions may be submitted to search@stat.stanford.edu.

Evaluation of applicants will begin November 16, 2018. Applications must be received by December 11, 2018 to be guaranteed consideration.

The Stanford Statistics department currently has 22 regular faculty members, as well as a distinguished group of emeriti. Many professors have joint

appointments in other departments, including positions in mathematics, economics, the School of Medicine, the School of Engineering, and the School of Education. The varied research in the department integrates core statistical theory, mathematics, computing, algorithms, and applications to many scientific disciplines. More information on the department can be found on its website: <https://statistics.stanford.edu>.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University's research, teaching and clinical missions.

Stanford University, Stanford, California

Assistant Professor in Statistics or Probability

The Statistics Department at Stanford University invites applications for a tenure-track Assistant Professor position in Applied Statistics, Theoretical Statistics, or Probability. This is a research and teaching position with student advising and department committee responsibilities.

Applicants should have demonstrated strong research abilities. A Ph.D.

in Statistics or a related area is required. Applicants should submit a letter of application, curriculum vita, a statement of research and teaching interests, graduate transcripts, not more than one preprint/reprint, and arrange for three letters of recommendation to be submitted. Applications and letters should be submitted online at <https://academicjobsonline.org/ajo/jobs/9396> <https://academicjobsonline.org/ajo/jobs/11504>. Questions may be submitted to search@stat.stanford.edu.

Evaluation of applicants will begin November 16, 2018. Applications must be received by December 11, 2018 to be guaranteed consideration.

The Stanford Statistics department currently has 22 regular faculty members, as well as a distinguished group of emeriti. Many professors have joint appointments in other departments, including positions in mathematics, economics, the School of Medicine, the School of Engineering, and the School of Education. The varied research in the department integrates core statistical theory, mathematics, computing, algorithms, and applications to many scientific disciplines. More information on the department can be found on its website: <https://statistics.stanford.edu>.

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national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University's research, teaching and clinical missions.

Tufts University

Assistant Professor (multiple)

JOB DESCRIPTION:

The Department of Computer Science at Tufts University invites applications for multiple tenure-track faculty positions to begin in September 2019. We are looking for engaged and engaging researchers and teachers with a compelling vision who can build and maintain a high-quality research program at Tufts. We are interested in candidates whose research will connect with some of our current faculty while also extending into new areas. We seek candidates at the rank of Assistant Professor but exceptional candidates at the rank of Associate or Full Professor will also be considered.

We are especially interested in candidates with research in Artificial Intelligence, Machine Learning, Natural Language Processing, Robotics, Security, Systems for Data Science (meaning Operating Systems, Networking, or Databases with a focus on support for Data Science), and Algorithms applied to any of these areas. Exceptional candidates in other areas will be considered as well.

Qualifications:

Applicants must hold a doctorate by the beginning of the appointment, must

have an active research program, must show promise of continued outstanding research activity, and must exhibit a strong commitment to excellence in teaching.

To Apply:

Please submit your application online through Interfolio at <https://apply.interfolio.com/52397>. For assistance with Interfolio, please contact help@interfolio.com or call 877-997-8807. Inquiries should be emailed to ttsearch@cs.tufts.edu. Review of applications will begin December 15, 2018 and will continue until the positions are filled.

For more information, please visit <http://go.tufts.edu/CSpositions>.

Tufts University is an Equal Opportunity/Affirmative Action Employer. We are committed to increasing the diversity of our faculty and staff and fostering their success when hired. Members of underrepresented groups are welcome and strongly encouraged to apply. Applicants can learn more about requesting reasonable accommodations at <http://oeo.tufts.edu>.

Tufts University

Lecturer (full time)

JOB DESCRIPTION:

The Department of Computer Science at Tufts University invites applications for a full-time Lecturer position to begin in Spring or Fall 2019. This is a full-time, nontenure-track position. The initial appointment will be for two years with

the possibility of renewal contingent on annual performance review results.

Candidates may have expertise in any area of computer science or a closely related field including but not limited to Algorithms, Complexity, Artificial Intelligence, Analytics, Machine Learning, Databases, Distributed Systems, Computational Biology, Hardware-Software Interfaces, Human-Computer Interaction, Robotics, Mobile Development, Natural Language Processing, Power Management, Security, Software Development, Systems, Visualization, and Web Infrastructure and Design.

QUALIFICATIONS: The ideal Lecturer candidate will possess prior teaching experience, especially with undergraduate students, and have an engaging teaching style. The candidate must have a strong commitment to teaching and mentoring. A doctoral degree is preferred but not required.

TO APPLY: Please submit your application online through Interfolio at <https://apply.interfolio.com/52400>. For assistance with Interfolio, please contact help@interfolio.com or call 877-997-8807. Inquiries should be emailed to ttsearch@cs.tufts.edu. Review of applications will begin October 15, 2018 and will continue until the positions are filled.

For more information, please visit <http://go.tufts.edu/CSpositions>.

Tufts University is an Equal Opportunity/Affirmative Action Employer. We are committed to increasing the diversity of our faculty and staff and fostering their success when hired. Members of underrepresented groups are

welcome and strongly encouraged to apply. Applicants can learn more about requesting reasonable accommodations at <http://oeo.tufts.edu>.

Tulane University

Faculty Positions in Computer Science starting Fall 2019

Tulane Computer Science is Hiring!

The Tulane Computer Science Department anticipates two tenure-track hires as we continue to build our new program. Applications are encouraged from leading researchers who are attracted by the opportunity to help build a program whose focus is equally on computer science and on its applications to the myriad of areas where computer science is having a fundamental effect on how research is conducted. We are especially interested in researchers who focus on areas around data science, including machine learning and artificial intelligence, networks, scientific visualization, databases, systems, cloud computing, and related areas. The department currently has 8 tenured / tenure stream faculty and one Professor of Practice; we anticipate attaining a critical mass of 10 faculty within the next year, and a stable state of 15 faculty within the following 2 - 3 years.

We are pleased to announce the following openings:

The Yahoo! Founder Chair

The Tulane Computer Science Department invites applications for the Yahoo! Founder Chair in Computer Science.

This will be a pivotal appointment for our program, providing a defining focus for our research activities and developing collaborations across the university. The successful candidate will provide leadership by enhancing existing research collaborations and establishing new ones both within the computer science department, within the School of Science and Engineering, and across the other Tulane schools and colleges. We encourage applications from senior colleagues whose work is in an area related to data. We anticipate appointing someone with excellent research credentials nationally and internationally, a record of substantial research funding, experience leading multidisciplinary research projects, and a record of excellent teaching at the undergraduate and PhD levels. Review of applications will begin December 15, 2018, and continue until the position is filled. Potential candidates for this position are encouraged to contact Professor Michael Mislove, chair of the computer science department, at mislove@tulane.edu about their candidacy.

Tenured/Tenure-Track Open Rank Position

The Tulane Computer Science Department invites applications for an open rank position at the tenured or tenure-track level to begin in Fall 2019. Our faculty are active in research related to a number of areas, all of which feature applications of computer science to other disciplines in the sciences and health sciences, the social sciences, and the humanities. We welcome applications from candidates

with similar research interests. We are particularly interested in applications from candidates in machine learning, as well as ones from candidates working in systems and networking, or in graphics and large data. Candidates at the senior assistant professor level or who are tenured should have an outstanding research record that emphasizes the application of computer science to related areas, have excellent teaching credentials, and have a strong record of attracting research funding on a continued basis. Junior faculty who have postdoctoral experience establishing their research program also are encouraged to apply. Review of applications will begin December 15, 2018, and will continue until the position is filled.

Both of these positions have the potential for a joint appointment with the Florida Institute for Human and Machine Cognition - see <http://www.ihmc.us>.

More information about the Tulane Computer Science Department, its faculty, its research areas and undergraduate and graduate programs can be found at <http://www.cs.tulane.edu>.

Application Instructions

A complete application should include a CV, statements on research and teaching, and at least three letters of recommendation. Applications for these positions will be reviewed starting December 15, 2018; the review and interview process will continue until both open positions are filled. These positions are subject to final administrative approval.



Assistant Professor - Infrastructure and Data Science - Goldman School of Public Policy

GOLDMAN SCHOOL OF PUBLIC POLICY AT UC BERKELEY

The Goldman School of Public Policy at the University of California, Berkeley, invites applications for a tenure-track appointment to the faculty at the Assistant Professor rank. We seek applications from intellectually rigorous and exciting scholars who focus on public policy and who can teach innovative courses to our diverse student body. We are especially interested in candidates who are trying to address infrastructure-related policy problems (including transportation, housing, communications, energy, water, cities, and health care) and who will engage with University-wide data science efforts.

For more information about the position, including required qualifications and application materials, please go to: <http://apptrkr.com/1283041>

The deadline to apply is October 15, 2018. For questions, please contact Assistant Dean of Administration & Operations Sandi Ketchpel, at sandi_k@berkeley.edu.

UC Berkeley is an AA/EEO employer.

Candidates interested in the Yahoo! Founder Chair may access the electronic application via the following link: <https://apply.interfolio.com/46655>.

Candidates interested in the tenured/tenure-track open rank positions should apply electronically via the following link: <https://apply.interfolio.com/46694>.

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.

Tulane University

Professor of Practice in Computer Science Starting Fall 2019

Tulane Computer Science is Hiring!

The Tulane Computer Science Department anticipates hiring at all levels as it continues to build its program. Applications are encouraged from colleagues who are attracted by the chance to help build a new program whose focus is equally on computer science and on its applications to the myriad of areas where computer science is having a fundamental effect on how research is conducted. The department currently has 8 tenured / tenure stream faculty and one Professor of Practice; we anticipate attaining a critical mass of 10

faculty with the next year, and a stable state of 15 faculty within the following 2 - 3 years.

We are pleased to announce the following opening:

Professor of Practice

The Tulane Computer Science Department invites applications for a Professor of Practice position to begin in Fall 2019. The duties include expanding our introductory course offerings, CMPS 1500 and CMPS 1600, and teaching a range of undergraduate courses, including the Capstone Project required of all coordinate majors. Tulane Professors of Practice are regular faculty members with term appointments that are renewable as long as teaching and mentoring meet expectations. Initial appointments are for three years; at the end of the second appointment period, the faculty member may be considered for promotion to Senior Professor of Practice, with a term of five years. The successful candidate will have a record of outstanding teaching and mentoring at the undergraduate level, including mentoring undergraduates in research projects. Details about our program can be found at <http://www.cs.tulane.edu>. Review of applications will begin December 15, 2018, and continue until the position is filled.

Application Instructions

A complete application should include a CV, a teaching statement, and documentation to validate excellence in teaching, including at least three letters of recommendation that address teaching. Applications for this position

will be reviewed starting December 15, 2018; the review and interview process will continue until the position is filled. This position is subject to final administrative approval.

Candidates interested in the Professor of Practice position may access the electronic application via the following link: apply.interfolio.com/46634.

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.

Union College

Assistant Professor of Computer Science (Tenure Track)

Union College invites applications for a tenure-track faculty position in Computer Science at the rank of Assistant Professor, beginning September 2019. The Department offers a B.S. in computer science, supports an ABET accredited B.S. in computer engineering with the Electrical, Computer, and Biomedical Engineering Department, and a digital art program with the Visual Arts department. We participate in computational methods and digital media minors and the computational track of the neuroscience major. We offer introductory courses that engage students with a variety of

interests. Current faculty research areas include robotics, HCI, NLP, databases, and software design.

At Union, institutional expectations and support are balanced between teaching and research; the ideal candidate will be enthusiastic about teaching, supervising undergraduate research, and sustaining an independent research program. Preference will be given to candidates with specializations in theory or systems, though we are particularly interested in candidates who can teach broadly in the computer science curriculum. The position involves teaching two courses in each of three trimesters. Preference will be given to applicants who have completed the Ph.D. in computer science or a related area; applicants close to finishing the Ph.D. will be considered. We welcome applications from members of groups traditionally underrepresented in the field. Applicants should state in their cover letter how they will enhance the diversity of offerings and educational experiences if hired.

Union College is a highly selective liberal arts and engineering college in New York State's Capital Region, three hours from NYC and Boston. It emphasizes close collaborations between faculty and students and has a campus-wide initiative promoting interdisciplinary activities.

Interested candidates should electronically submit a cover letter,

curriculum vitae, statement of teaching philosophy, and statement of current research interests.

Candidates should also request that three recommendation letters be submitted. See <http://cs.union.edu/jobs> for instructions about how to submit the relevant materials. We will begin reviewing applications starting December 1, 2018, and will continue until the position is filled.

Union College is an equal opportunity employer and strongly committed to student and workforce diversity. Union provides a blend of intellectual, social and cultural opportunities to facilitate the integrated academic, social and personal development of a diverse community. We value and are committed to a host of diverse populations and cultures including, but not limited to, those based on race, religion, disability, ethnicity, sexual orientation, gender, gender identity, national origin and veteran status.

University of Arizona

Assistant, Associate, or Full Professor of Computer Science (Multiple Positions in Machine Learning)

The Department of Computer Science at the University of Arizona invites applications for multiple positions in machine learning. Related areas such as natural language processing and computer vision will also be considered. These positions are part of a strategic effort at the University



Department of Computational Media Assistant Professor, Games and Playable Media UCSC Silicon Valley Campus

The Department of Computational Media <https://www.soe.ucsc.edu/departments/computational-media> at the University of California, Santa Cruz (UCSC) invites applications for a tenure track (Assistant Professor) position in Games and Playable Media. We seek outstanding applicants who have demonstrated research & teaching expertise in scientific, technical, engineering, or design aspects of computer games, considered broadly, including game design and development, game user research, game artificial intelligence, interactive narrative, novel interface technologies, virtual reality, augmented reality, computer graphics for games, procedural content generation, game software engineering, agent architectures for game characters, game analytics and visualization, game engine architecture, programming languages as applied to games, natural language generation and dialog systems for games, platform studies, software studies, & automated analysis of games. This position is one of four faculty associated with the Professional MS program in Games and Playable Media and the Professional MS program in Serious Games, both located in the UCSC Silicon Valley Campus in Santa Clara, California. This position is expected to spend multiple days per week in Santa Clara & is also expected to spend on average one day per week on the Santa Cruz campus (more during Santa Cruz teaching quarters). 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. Graduate level teaching duties will be mainly at the Santa Clara campus with undergraduate courses to be taught at the Santa Cruz campus. The ability for on-demand transportation between Santa Clara and Santa Cruz with or without accommodations is essential.

LINK TO THE FULL FLIER:

<https://intranet.soe.ucsc.edu/sites/default/files/JPF00638-19.pdf>

ACADEMIC TITLE: Assistant 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 or other relevant field, expected to be completed by June 30, 2019; demonstrated record of research and teaching experience.

POSITION AVAILABLE

July 1, 2019, with the academic year beginning in September 2019. Degree 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://apptrk.com/1287913>

Please refer to Position # JPF00638-19 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 December 14, 2018. Applications received after this date will be considered only if the position has not been filled.

to build an outstanding research group in machine learning. We seek applicants at all ranks, and are open to coordinated hiring of multiple applicants.

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, <https://uacareers.com/postings/23693>. 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 Arizona

Lecturer or Professor of Practice in Computer Science

The Department of Computer Science at The University of Arizona seeks applicants at all ranks for Lecturer and Professor of

Practice positions. Such teaching faculty are critical to the Department's mission and are appointed with the expectation of long-term employment. Teaching faculty fully participate in faculty meetings and decision making. The typical teaching load is two courses in each of the Fall and Spring semesters; however, factors such as large class size may reduce that load.

The Lecturer teaching track is non-tenure-eligible, begins with the Lecturer position, and then offers advancement to Senior and Principal Lecturer. Qualifications for these positions include an MS or PhD in Computer Science or a closely-related discipline. Candidates will be expected to teach effectively in undergraduate Computer Science courses, and have extensive knowledge of the topics taught in our required courses.

The Professor of Practice track is also non-tenure-eligible, begins with the Assistant Professor of Practice position, and then offers advancement to Associate and Full Professor of Practice. We are seeking exceptionally qualified candidates who have demonstrated vision and leadership in Computer Science curricular development and education. Candidates must have a PhD in Computer Science or a closely-related discipline, or in exceptional cases an MS with significant related experience.

As of Fall 2018, the Department of Computer Science at the University of Arizona has 27 faculty members, including nine Lecturers, of whom four are Senior Lecturers and one is Principal Lecturer. The Department has a long history of excellent undergraduate and graduate instruction, research

accomplishment, and influential software distribution. Current teaching and research areas span most core areas of Computer Science. The University is located in Tucson, a valley with desert landscape surrounded by mountain ranges. Tucson boasts a warm climate, 350 sunny days per year, with ample opportunities for outdoor activities such as hiking, mountain biking, horseback riding, caving, and rock climbing. More information about the University and its environs is available at www.whyUA.com.

To apply, complete an online application at the UA Human Resources web site. The link for the Lecturer position is <https://uacareers.com/postings/32258>. The link for the Professor of Practice position is <https://uacareers.com/postings/32259>. Be sure to upload (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names of at least three references.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin immediately and will continue until the position is filled. Please email search@cs.arizona.edu if you have any questions or need assistance.

University of California, Irvine - ICS

Professor and Professor of Teaching Series Positions

The Donald Bren School of Information and Computer Sciences (ICS) at the University of California, Irvine (UCI),

home of the departments of Computer Science, Informatics, and Statistics, is seeking exceptional candidates for multiple tenured/tenure-track Professor and Professor of Teaching positions. A detailed description of each position, and application instructions, can be found on the ICS website at <http://ics.uci.edu>.

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. A recipient of an NSF ADVANCE award for gender equity, UCI is responsive to the needs of dual career couples, supports work-life balance through an array of family-friendly policies, and is dedicated to broadening participation in higher education.

University of California - San Diego

Teaching Professor Positions in the Department of CSE

The CSE Department seeks applications for Teaching Professors at both the junior and senior levels. Assistant Teaching Professor positions come with potential security of employment (equivalent to tenure-track); senior appointments with security of employment are also available for qualified applicants. The teaching faculty series

at UC San Diego (whose official title is "Lecturer with (Potential) Security of Employment") carries equivalent rights and responsibilities to the more traditional UC San Diego research-focused ("tenure-track") faculty series. Teaching Professors are expected to place a stronger emphasis on teaching and scholarly activity related to education than on traditional disciplinary research activities.

We seek candidates who have demonstrated that they are strong computer science and engineering educators. Candidates will be expected to teach core undergraduate courses and may also teach advanced undergraduate and graduate courses. The normal teaching load for Teaching Professors is two courses per quarter. Candidates should also be engaged in, or have the potential to engage in, scholarly activity outside the classroom that has resulted or will likely result in advances in computer science and engineering education. Successful candidates must show commitment to educating a broad and diverse group of students and in working to increase the participation and success of students from groups underrepresented in computer science, including but not limited to: underrepresented minorities, women, persons with disabilities, and first-generation college students. All candidates are asked to describe explicitly the nature of their commitment to and experience with supporting underrepresented groups.

Candidates are required to have a Ph.D. degree or to have advanced to candidacy in computer science (including computer science education) or a related area by the time of application.

CSE is a highly collaborative department, home to over 60 faculty including six teaching faculty. With around 2000 undergraduate CS majors, UC San Diego is deeply committed to undergraduate education and is a leader in undergraduate computer science education at a large scale. The department has pioneered several innovative undergraduate programs and pedagogies to support its large and thriving undergraduate student body. More information about the department can be found at <http://www.cse.ucsd.edu/>.

We encourage candidates to send applications as soon as possible. Applications received by November 1, 2018 will be given full consideration. However, positions remain open until filled.

To apply for LPSOE, please submit the following materials at the website: <https://apol-recruit.ucsd.edu/apply/JPF01834>

To apply for LSOE, please submit the following at the website: <https://apol-recruit.ucsd.edu/apply/JPF01846>

- cover letter
- Curriculum Vita
- A teaching statement: This statement can describe your teaching philosophy, but must describe your teaching experience and include evidence of effective teaching (student evaluation data is encouraged)

- A statement of scholarly activities describing research and/or other scholarly activities: The research/ scholarship described can be in any area, but this statement must include plans for scholarship to be conducted in the teaching faculty position (usually education-focused, but not required to be)
- 3 reference letters
- A statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp> and http://soeadm.ucsd.edu/ppi/academic_personnel/diversity/docs/C2D_Expectations.pdf

If you have any questions, please contact Professor Alex C. Snoeren (L(P)SOE Recruiting Chair) at snoeren@cs.ucsd.edu.

For applicants with interest in spousal/partner employment, please see <https://aps.ucsd.edu/services/pop/> 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 encouraged to apply (see <http://diversity.ucsd.edu>).

University of Central Florida

Multiple Tenured/Tenure-track Positions in Computer Science

The University of Central Florida (UCF) is recruiting for several tenured or tenure-track positions in the department of Computer Science (CS) and several faculty clusters with possible positions in CS. All positions start on August 8, 2019.

Ideal candidates will have a strong research background and be on an upward leadership trajectory. They will have research impact, as reflected in high-quality publications and the ability to build a well-funded research program. Minimum qualifications include a Ph.D., terminal degree, or foreign degree equivalent in an area appropriate to the department, from an accredited institution at the time of the appointment, and a record of high impact research, demonstrated by a strong scholarly and/or funding record. To obtain tenure requires a commensurate record of teaching, research and service. Candidates must apply online at the appropriate link.

A summary of the positions available is shown below. Consult the application link for more information on each position.

Asst. or Assoc. Prof., HCI, CS, <http://www.jobswithucf.com/postings/54671>

Assoc. or Full Prof., HCI, robotics, assistive tech., Disability, Aging, and Technology, <https://www.jobswithucf.com/postings/54377>

Asst. Prof., robotics, Disability, Aging, and Technology, <https://www.jobswithucf.com/postings/54365>

Asst. Prof., Genomics and Bioinformatics, <https://www.jobswithucf.com/postings/54363>

Asst., Assoc. or Full Prof., human learning and machine learning, Learning Sciences, <https://www.jobswithucf.com/postings/53402>

CS at UCF is home to the first CS Ph.D. program in Florida. Its 36 tenured and tenure-track faculty are engaged in world-class research in HCI, Computer Vision, AI and Machine Learning, Virtual Reality, cyber security and privacy, and many other areas. The department has both CS and IT undergraduate degrees accredited by ABET, and MS degrees in CS, Digital Forensics, and Data Analytics, and a Ph.D. in CS, see <http://www.cs.ucf.edu/>.

An economic engine, UCF attracts vital industry to Orlando. UCF is at the center of the Florida High Tech Corridor, where industries include software, defense, space, simulation & training, and entertainment. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location. Learn more about UCF at <http://www.ucf.edu/faculty>.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with

disabilities, and members of traditionally underrepresented populations. UCF's Equal Opportunity Statement can be viewed at: <http://www.oie.ucf.edu/documents/PresidentsStatement.pdf>. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

University of Colorado, Boulder

Open Rank Faculty Positions in Computer Engineering

The Department of Electrical, Computer, and Energy Engineering (ECEE) at the University of Colorado, Boulder is currently seeking applications for a tenure-track faculty position in the area of Computer Engineering. This position is part of the long-term growth plans for the College of Engineering and Applied Science (CEAS), and we are especially interested in qualified candidates who can contribute, through their research, teaching, and service, to the diversity and excellence of our academic community. The position is open at all levels, with emphasis on applicants at the Assistant Professor level. Within the broad area of Computer Engineering, we are focusing on candidates in the following specialty areas: cyberphysical systems, security, formal methods, machine learning, and networks. We are also focusing on the overall originality and promise of the candidate's work.

The positions will be rostered in the Department of Electrical, Computer, and Energy Engineering. Candidates must have an earned Ph.D. or equivalent degree in Computer Engineering, Computer Science or a related field.

Candidates will be expected to engage in undergraduate and graduate teaching, contribute professional service, and develop vigorous, externally funded research programs in their technical areas. Candidates whose expertise cuts across engineering and related disciplines are especially encouraged to apply. Potential faculty members applying to the ECEE Department at the University of Colorado Boulder should describe their plans to develop a recognized research program based on scholarly work in their particular field, their ideas for interdisciplinary collaboration, their experience and interests in teaching undergraduates and graduates, and their future plans for inspiring diverse students to conduct research.

For more information about ECEE, please visit: <http://www.colorado.edu/ecee/>.

For more information about the CEAS, please visit: <http://www.colorado.edu/engineering/>.

The University of Colorado Boulder is an Equal Opportunity Employer committed to fostering and maintaining a diverse work culture that respects the rights and dignity of each individual. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA Coordinator at hr-ada@colorado.edu.

The College of Engineering and Applied Science at The University of Colorado Boulder is supportive of the needs of dual career couples.

Applicants must submit their applications online at CU Boulder Jobs (<https://www.colorado.edu/jobs/>), job posting number 12930. Submit a PDF file containing a cover letter stating your research areas (1-pg), names and contact information for 3 to 5 references, curriculum vita, and statements describing your goals related to teaching and research (2-3 pg).

The position will remain open until filled, though for full consideration applications should be received by November 15, 2018.

For inquiries, please contact Search Committee Chair, Fabio Somenzi at Fabio@Colorado.EDU

University of Florida

Post Doctoral Associate

The Department of Electrical and Computer Engineering at the University of Florida invites applications for a **Post Doctoral Associate**.

The chosen candidate will conduct research for the NIH-sponsored project "Uncovering and Surveilling Financial Deception Risk in Aging." Accomplishment of project goals demands interaction between experts from applied machine learning (text, physiological measures, and brain imaging data), cyber security, psychology, and neuroscience.

Minimum Qualifications: a PhD in Computer Science, Computer Engineering, or related disciplines with specialization in machine learning.

More details about the position and application procedure:

http://www.daniela.ece.ufl.edu/postdoc2018/Postdoc_Hiring_2018/Postdoc_Research_Fellow.html

The University of Florida is an Equal Opportunity Employer.

University of Georgia

Lecturer positions in Computer Science

The Department of Computer Science at the University of Georgia invites applications for two full-time, non-tenure track Lecturer positions starting August 2019.

For more details and application information, please see www.cs.uga.edu/~lecturerposition/Lecturer_Job_Ad.pdf.

To apply, please go to <https://www.ugajobsearch.com/postings/31940>

Review of candidates will begin on November 13, 2018 and will continue until the position is filled.

Please see <http://www.cs.uga.edu> for more information about the job.

University of Illinois at Urbana-Champaign

Positions in Computing

The Department of Electrical and Computer Engineering (ECE ILLINOIS) at the University of Illinois at Urbana-Champaign invites applications for faculty positions at all areas and levels in computing, broadly defined, with particular emphasis on Embedded Computing Systems and the Internet of Things; Data-Centric Computing Systems and Storage; Networked and Distributed Computing Systems; AI/ Autonomous Systems; Robotics; Machine Vision; Quantum Computing. Applications are encouraged from candidates whose research programs specialize in core as well as interdisciplinary areas of electrical and computer engineering. Ideal candidates include those who demonstrate evidence of a commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors.

From the transistor and the first computer implementation based on von Neumann's architecture to the Blue Waters petascale computer (the fastest computer on any university campus), ECE ILLINOIS has always been at the forefront of computing research and innovation. ECE ILLINOIS is in a period of intense demand and growth, serving over 3000 students and averaging 7 new tenure-track faculty hires per year in recent years. It is housed in its new 235,000 sq. ft. net-zero energy design building, which is a major campus addition with maximum space and minimal carbon footprint.

Qualified senior candidates may also be considered for tenured full Professor positions as part of the Grainger Engineering Breakthroughs Initiative (graingerinitiative.engineering.illinois.edu), which is backed by a \$100-million gift from the Grainger Foundation.

Please visit <http://jobs.illinois.edu> to view the complete position announcement and application instructions. Full consideration will be given to applications received by December 1, 2018, but applications will continue to be accepted until all positions are filled.

Illinois is an EEO Employer/Vet/Disabled www.inclusiveillinois.illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

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 computing, Robotics, Security, and Systems, but applicants from all traditional as well as non-traditional and interdisciplinary areas of Computer Science are urged to apply. This is a 100% tenure-track appointment on an

academic year (nine-month) service basis paid over twelve months.

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 Massachusetts Amherst

Assistant/Associate Professor - Data Science

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for tenure-track faculty at the Associate and Assistant Professor levels in the broad area of Data Science. For a complete position announcement including minimum qualifications and application instructions, please see <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 Amherst

Assistant Professor - Information & Computer Sciences

The College of Information & Computer Sciences invites applications for TT

faculty. Candidates from all areas of information and computer sciences will be considered. For a complete position announcement including minimum qualifications and application instructions, please see <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 Amherst

Teaching Fellow

The College of Information & Computer Sciences is looking for Teaching Fellows. For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/494774/teaching-fellow-lecturer>.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

FT/PT Lecturer/Sr. Lecturer

The College of Information & Computer Sciences is looking for full-time and part-time Lecturers and Sr. Lecturers. For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/494782/ftpt-lecturersenior-lecturer-information-computer-sciences>.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Assistant/Associate Professor - Informatics

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for tenure-track faculty at the Associate and Assistant Professor levels from computer scientists whose research applies a computational lens to challenges from other disciplines. For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/495184/assistantassociate-professor-informatics>

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 Miami

Assistant/Associate/Full Professor Position in Electrical and Computer Engineering

The *College of Engineering* of the University of Miami (UM in Coral Gables, FL) invites applications and nominations for tenured/tenure track faculty positions at the Assistant/Associate/Full professor level in the *Department of Electrical and Computer Engineering*. The faculty hires will have expertise in Artificial Intelligence, Computer Vision, Augmented Reality, Big Data, Informatics, and/or Cybersecurity.

Applicants must have a strong record of research accomplishments, evidence of leadership and vision, ability to excel in an interdisciplinary environment, and a strong interest in undergraduate and graduate teaching. Applicants must have an earned doctorate in electrical and computer engineering or a related field.

The University of Miami is committed to attracting a talented workforce to support the common purpose of transforming lives through teaching, research, innovation and service.

Initial screening of applications will begin immediately, with hires expected to start in January, 2019. Applications will be

accepted online until the positions are filled at coe.miami.edu/eceposition.

University of Miami is an equal opportunity employer; females, minorities, protected veterans and individuals with disabilities are encouraged to apply. Applicants and employees are protected from discrimination based on certain categories under Federal law.

University of Michigan

Tenure Track Position(s) Data Science

The *School of Information* at the University of Michigan (UMSI) seeks to hire several tenure- track faculty at the assistant and/or associate rank. For more information about each position and application instructions, please visit: <https://www.si.umich.edu/get-involved/faculty-job-openings>

We anticipate making several hires across the following overlapping areas of emphasis: Social media, Computational social science, Machine learning and causal inference, Learning analytics, Application-inspired data science techniques, Computational humanities, Ethics of AI and data science.

U-M EEO/AA Statement

The University of Michigan is an equal opportunity/affirmative action employer. The University is supportive of the needs of dual career couples.

University of Michigan

*Computer Science and Engineering
Faculty Positions*

Computer Science and Engineering (CSE) at the University of Michigan

invites applications for multiple tenure-track and teaching faculty (lecturer) positions. We seek exceptional candidates at all levels in all areas across computer science and computer engineering. We also have a targeted search for an endowed professorship in theoretical computer science (the Fischer Chair). Qualifications include an outstanding academic record, a doctorate or equivalent in computer science or computer engineering, and a strong commitment to teaching and research. Candidates are expected, through their research, teaching, and/or service, to contribute to the diversity and excellence of the academic community.

The University of Michigan is one of the world's leading research universities, consisting of highly ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts. CSE is a vibrant and innovative community, with over 70 world-class faculty members, over 300 graduate students, and a large and illustrious network of alumni. Ann Arbor is known as one of the best small cities in the country, offering cosmopolitan living without the hassle. The University of Michigan has a strong dual-career assistance program.

We encourage candidates to apply as soon as possible. For best consideration for Fall 2019, **please apply by December 1, 2018**. Positions remain open until filled and applications can be submitted throughout the year.

For more details on these positions and to apply, please visit <http://cse.umich.edu/jobs>.

Michigan Engineering's vision is to be the world's preeminent college of engineering serving the common good. This global outlook, leadership focus, and service commitment permeate our culture.

Our vision is supported by a mission and values that, together, provide the framework for all that we do. Information about our vision, mission and values can be found at: <http://strategicvision.engin.umich.edu/>.

The University of Michigan has a storied legacy of commitment to Diversity, Equity and Inclusion (DEI). The Michigan Engineering component of the University's comprehensive, five-year, DEI strategic plan—with updates on our programs and resources dedicated to ensuring a welcoming, fair, and inclusive environment—can be found at: <http://www.engin.umich.edu/college/about/diversity>.

The University of Michigan is a Non-Discriminatory/Affirmative Action Employer.

University of Nebraska at Kearney

Associate or Full Professor/Department Chair, Cyber Systems

The newly formed Cyber Systems Department is seeking a Tenure Track Associate or Full Professor to begin by July 1, 2019. Please refer to the UNK Website for a full job description and instructions on how to apply.

Review of applications begins October 1, 2018. <https://unk.peopleadmin.com/postings/2403>

University of Nebraska at Omaha

Faculty Position in Computer Science

The Department of Computer Science at the University of Nebraska at Omaha (UNO) invites applications for a tenure-track Assistant/Associate Professor position beginning Fall 2019 with an emphasis in intelligent systems. Areas of particular interest include, but are not limited to, machine learning, data science, visual analytics, artificial intelligence and their translational application in real-world contexts. Exceptional candidates in all areas of computational sciences are encouraged to apply.

Candidates must have completed an earned doctorate in computer science or related disciplines by the expected start date. The candidate should have a strong potential to conduct high quality research, generate external research and development grants,

and be committed to teaching computer science courses at both graduate and undergraduate levels. The candidate will also have opportunities to engage in interdisciplinary data science collaborations across the university. Applicants at the associate professor level should have demonstrated a strong research track record including extra-mural funding and high impact research publications.

To apply, please visit <http://unomaha.peopleadmin.com/>. A full application, including cover letter, vita, teaching and research statements, and contact information for 3 references is required for full consideration. Applications will be accepted until the position is filled.

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply for this position.

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment. UNO is a VEVRAA Federal Contractor and an E-Verify employer.

If you have any additional questions, please contact: Dr. Brian Dorn (bdorn@unomaha.edu, 402-554-4905)

University of Nebraska at Omaha

Assistant/Associate Professor in Computer Science with Multidisciplinary Computing Systems Expertise

The Department of Computer Science at the University of Nebraska at Omaha (UNO) invites applications for a tenure-track faculty position, beginning August 2019 at the rank of an Assistant Professor. We are seeking candidates in the area of computer systems (computer architecture, network technologies, operating systems, VLSI, etc.) and closely related areas including, but not limited to, emerging distributed and cloud computing infrastructures, IoT, embedded and cyber-physical systems. The new hire should have a strong potential to conduct high-quality research, procure funding, and be committed to teach computer systems courses at the undergraduate and graduate levels. Candidates must have received a doctorate in computer science or a closely related field at the time of employment. Exceptional candidates at the rank of Associate Professor will also be considered.

The College of Information Science and Technology (IS&T) has two other units – the Department of Information Systems and Quantitative Analysis, and the School of Interdisciplinary Informatics. The academic program portfolio of the college includes five undergraduate degree programs (Computer Science, Management Information Systems, Bioinformatics, Cybersecurity, IT Innovation) and five

Master of Science degree programs (Computer Science, Management Information Systems, Cybersecurity, IT Innovation, CSEd). The college also hosts two innovative PhD programs in Information Technology and Biomedical Informatics.

APPLICANTS MUST APPLY ONLINE ONLY AT UNIVERSITY WEBSITE: <http://www.unomaha.edu/human-resources/employment/index.php>

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment. UNO is a VEVRAA Federal Contractor and an E-Verify employer.

<http://www.unomaha.edu/human-resources/employment/index.php>

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 Notre Dame

Postdoctoral Fellowship in Computational Social Science

The Department of Computer Science and Engineering at the University of Notre Dame has an open postdoctoral position to study computational social science. The anticipated start date for this position is January 1, 2019 (negotiable). This is an annual renewable appointment for up to two years subject to performance and funding.

The postdoc will join a dynamic and interdisciplinary team that includes computer, physical, and cognitive scientists. The postdoc will work with Dr. Tim Weninger as well as other postdocs and several PhD students on analysis and modeling of social media data. Areas of focus will include empirical and experimental analysis of social media systems, models for the spread of information, and cognitive models

of information processing. The ideal candidate will have a PhD in computing, social science, or statistics; a strong background in analysis and modeling of computer mediated social systems; a strong interest in computational social science; and solid programming skills necessary to handle big data and large scale experiments.

Applicants must submit a cover letter and CV to <http://apply.interfolio.com/53414>. To guarantee full consideration, applications must be received by December 1, 2018, however, review of applications will continue until the position has been filled.

University of Oregon

Assistant, Associate, or Full Professor in Cybersecurity

The University of Oregon's Computer and Information Science Department invites applications for a tenured or tenure-track position in Cybersecurity (CS), to begin in fall 2019; appointment with tenure requires formal review. We seek candidates specializing in blockchain technologies, cryptocurrencies, applied cryptography, and cybersecurity. Competitive applicants will possess a significant track record of research excellence as appropriate to their seniority and be capable of outstanding teaching at the graduate and undergraduate levels. We are especially interested in scholars who will enhance the department's existing strengths in

cybersecurity and privacy and provide complementary research expertise in this area.

This search is part of UO's partnership in the University Blockchain Research Initiative, funded by a generous gift from Ripple (see <https://around.uoregon.edu/content/ripple-partnership-puts-uo-elite-company-blockchain-research> and <http://fortune.com/2018/06/04/ripple-xrp-donate-university-blockchain-cryptocurrency/>). The successful candidate will carry the title "Ripple Professor", and will become a member of UO's Center for Cyber Security and Privacy (<https://ccsp.uoregon.edu/>), adding a core competency in blockchain, cryptocurrency, and applied cryptography research to the multi-disciplinary cybersecurity and privacy research in the center. The recently-added High Performance Computing Research Core Facility – a supercomputing cluster with extensive computational and data storage capacity – is available to support research into this core direction, as is the XRP validator housed at UO.

We are a diverse and growing department with strengths in cybersecurity, data science, high-performance computing, and networking and distributed systems. The department is looking to significantly grow its research and teaching portfolio in these areas to support the growing demand for students educated in these important areas. We particularly welcome applications from scholars who are from populations historically underrepresented in the academy, and/or who have

experience working with students from diverse backgrounds.

Minimum Requirements

- Ph.D. in Computer Science or related field in hand by time of appointment.
- Strong, seniority appropriate, research record in cybersecurity, in general, and blockchain and cryptocurrency, in particular.

Preferred Qualifications

- Strong, seniority appropriate, research record in blockchain technologies, cryptocurrencies, applied cryptography, and cybersecurity.
- Demonstrated commitment and contribution to institutional diversity, equity, and inclusion.

Candidates are asked to apply on line at www.academicjobsonline.org/ajol/jobs/11617 by submitting an application letter, a curriculum vitae, a research statement, a teaching statement, and at least three letters of recommendation by 15 December 2018, or until the post has been filled. If you are unable to use this online resource, please contact faculty.search@uoregon.edu to arrange alternate means of submitting application materials.

The University of Oregon is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment and strongly encourages applications from minorities, women, and people with disabilities. Applicants are

requested to include in their cover letter information about how they will further this goal. In particular, candidates should describe previous activities mentoring minorities, women, or members of other underrepresented groups.

The University of Oregon is one of only two Pacific Northwest members of the Association of American Universities and holds the distinction of a "very high research activity" ranking in the Carnegie Classification of Institutions of Higher Education. The UO enrolls more than 20,000 undergraduate and 3,600 graduate students representing all 50 states and nearly 100 countries. The UO's 295-acre campus features state-of-the-art facilities in an arboretum-like setting. The UO is located in Eugene, a vibrant city of 157,000 within easy driving distance of the Pacific Coast, the Cascade Mountains, and Portland.

University of Oregon

Machine Learning – Computer Vision

The University of Oregon's Computer and Information Science Department invites applications for a tenure-track position of Assistant Professor in Machine Learning (ML), to begin in fall 2019. We seek candidates specializing in applications of ML to Computer Vision. Competitive applicants will be capable of outstanding research and teaching at the graduate and undergraduate levels. We are especially interested in scholars who will enhance the department's existing strengths in machine learning, deep learning, and data mining.

This search is part of a presidential initiative to establish excellence in data science at the University of Oregon (see <https://provost.uoregon.edu/data-science>), oriented toward solving significant problems in science and society. As part of this initiative, the university is building a cross-disciplinary curricular and research data science program, which is supported by the University's recently launched High Performance Computing Research Core Facility – a supercomputing cluster with extensive computational and data storage capacity. There will also be opportunity to become involved with the university's Knight Campus for Accelerating Scientific Impact.

We are a diverse and growing department with strengths in data science, high-performance computing, and networking and distributed systems. The department is looking to significantly grow its research portfolio in machine learning in order to support the presidential initiative in data science. In addition, the department is one of the university partners in the NSF IUCRC Center for Big Learning (see <http://nsfcbi.cs.uoregon.edu/>). We particularly welcome applications from scholars who are from populations historically underrepresented in the academy, and/or who have experience working with students from diverse backgrounds.

Minimum Requirements

- Ph.D. in Computer Science or related field in hand by time of appointment.
- Strong research record in the application of machine learning to computer vision.

Preferred Qualifications

- Demonstrated commitment and contribution to institutional diversity, equity, and inclusion.

Candidates are asked to apply on line at www.academicjobsonline.org/ajol/jobs/11618 by submitting an application letter, a curriculum vitae, a research statement, a teaching statement, and at least three letters of recommendation by 15 December 2018, or until the post has been filled. If you are unable to use this online resource, please contact faculty.search@uoregon.edu to arrange alternate means of submitting application materials.

The University of Oregon is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment and strongly encourages applications from minorities, women, and people with disabilities. Applicants are requested to include in their cover letter information about how they will further this goal. In particular, candidates should describe previous activities mentoring minorities, women, or members of other underrepresented groups.

The University of Oregon is one of only two Pacific Northwest members of the Association of American Universities and holds the distinction of a “very high research activity” ranking in the Carnegie Classification of Institutions of Higher Education. The UO enrolls more than 20,000 undergraduate and 3,600 graduate students representing all 50 states and nearly 100 countries. The UO's 295-acre campus features state-of-the art facilities in

an arboretum-like setting. The UO is located in Eugene, a vibrant city of 157,000 within easy driving distance of the Pacific Coast, the Cascade Mountains, and Portland.

University of Oregon

Machine Learning - Reinforcement Learning

The University of Oregon's Computer and Information Science Department invites applications for a tenured Open Rank position in Machine Learning (ML), to begin in fall 2019. We seek candidates specializing in Reinforcement Learning. Competitive applicants will possess a significant track record of research excellence and external funding as appropriate to their seniority and be capable of outstanding teaching at the graduate and undergraduate levels. We are especially interested in scholars who will enhance the department's existing strengths in machine learning, deep learning, and data mining.

This search is part of a presidential initiative to establish excellence in data science at the University of Oregon (see <https://provost.uoregon.edu/data-science>), oriented toward solving significant problems in science and society. As part of this initiative, the university is building a cross-disciplinary curricular and research data science program, which is supported by the University's recently launched High Performance Computing Research Core Facility – a supercomputing cluster with extensive computational and data storage capacity. There will also be

opportunity to become involved with the university's Knight Campus for Accelerating Scientific Impact.

We are a diverse and growing department with strengths in data science, high-performance computing, and networking and distributed systems. The department is looking to significantly grow its research portfolio in machine learning in order to support the presidential initiative in data science. In addition, the department is one of the university partners in the NSF IUCRC Center for Big Learning (see <http://nsfcbi.cs.uoregon.edu/>). We particularly welcome applications from scholars who are from populations historically underrepresented in the academy, and/or who have experience working with students from diverse backgrounds.

Minimum Requirements

- Ph.D. in Computer Science.
- Significant, seniority appropriate, research and funding record in reinforcement learning.

Preferred Qualifications

- Demonstrated commitment and contribution to institutional diversity, equity, and inclusion.

Candidates are asked to apply on line at www.academicjobsonline.org/ajojobs/11619 by submitting an application letter, a curriculum vitae, a research statement, a teaching statement, and at least three letters of recommendation by 15 January 2019, or until the post has been filled. If you are unable to use this online resource, please contact faculty.search@

uoregon.edu to arrange alternate means of submitting application materials.

The University of Oregon is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment and strongly encourages applications from minorities, women, and people with disabilities. Applicants are requested to include in their cover letter information about how they will further this goal. In particular, candidates should describe previous activities mentoring minorities, women, or members of other underrepresented groups.

The University of Oregon is one of only two Pacific Northwest members of the Association of American Universities and holds the distinction of a "very high research activity" ranking in the Carnegie Classification of Institutions of Higher Education. The UO enrolls more than 20,000 undergraduate and 3,600 graduate students representing all 50 states and nearly 100 countries. The UO's 295-acre campus features state-of-the-art facilities in an arboretum-like setting. The UO is located in Eugene, a vibrant city of 157,000 within easy driving distance of the Pacific Coast, the Cascade Mountains, and Portland.

University of South Carolina Beaufort

Assistant Professor, Tenure Track Faculty Computer Science-Two positions

The Department of Computer Science at the University of South Carolina Beaufort (www.uscb.edu/cs) invites applications for two tenure-track faculty at the rank of Assistant Professor to begin in January or August 2019. Candidates are expected to have an earned doctorate in Computer Science, Computational Science, or a closely related field though ABDs may be considered with evidence that the doctoral degree will be completed by the beginning date of employment. Successful candidates are expected to teach both undergraduate and graduate courses in Computer Science and Computational Science. Candidates with the potential to participate broadly in multi-disciplinary research in the areas of materials science or engineering are especially encouraged to apply.

Application procedures: Applicants must apply online at <http://uscjobs.sc.edu/postings/> and submit a cover letter, curriculum vitae, statements of research interest and teaching philosophy, a writing sample, copies of graduate transcript and contact information for three references in the USCJobs system.

The University of South Carolina Beaufort is an affirmative action/equal opportunity institution. Women and minorities are encouraged to apply.

University of Southern California Viterbi School of Engineering - Department of Computer Science

*Multiple Tenure-Track Faculty Positions
Los Angeles, CA*

The Department of Computer Science (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) is in a period of significant and sustained faculty growth. We have multiple openings for tenure-track positions in all areas and at all levels of seniority. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, underrepresented groups, veterans, and individuals with disabilities. We are interested in exceptional candidates at all levels.

We expect all candidates to have a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

Applicants should submit their applications online at [USC Careers](#).

Applications must include a cover letter indicating the applicant's area of specialization, a detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applicants are encouraged to

include a succinct statement on fostering an environment of diversity and inclusion. Applications 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.

University of Toronto

Assistant Professor, Teaching Stream

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for a full-time teaching-stream faculty appointment at the rank of Assistant Professor, Teaching Stream, in the general area of Computer Systems and Software. The appointment will commence on July 1, 2019.

Applicants are expected to have a Ph.D. in Electrical and Computer Engineering, or a related field, at the time of appointment or soon after.

Successful candidates will have demonstrated excellence in teaching and pedagogical inquiry, including in the development and delivery of undergraduate courses and laboratories and supervision of undergraduate design projects. This will be demonstrated by strong communication skills, a compelling statement of teaching submitted as part of the application highlighting areas of interest, awards and accomplishments and teaching philosophy; sample course syllabi and materials; and teaching evaluations, as well as strong letters of reference from referees of high standing endorsing excellent teaching and commitment to excellent pedagogical practices and teaching innovation.

Eligibility and willingness to register as a Professional Engineer in Ontario is highly desirable.

Salary will be commensurate with qualifications and experience.

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto ranks among the best in North America. It attracts outstanding students, has excellent facilities, and is ideally located in the middle of a vibrant, artistic, diverse and cosmopolitan city. Additional information may be found at <http://www.ece.utoronto.ca>.

Review of applications will begin after September 1, 2018, however, the position will remain open until November 29, 2018.

As part of your online application, please include a cover letter, a curriculum vitae, and a teaching dossier including a summary of your previous teaching experience, your teaching philosophy and accomplishments, your future teaching plans and interests, sample course syllabi and materials, and teaching evaluations. Applicants must arrange for three letters of reference to be sent directly by the referees (on letterhead, signed and scanned), by email to the ECE department at search2018@ece.utoronto.ca. Applications without any reference letters will not be considered; it is your responsibility to make sure your referees send us the letters while the position remains open.

You must submit your application online while the position is open, by following the submission guidelines given at <http://uoft.me/how-to-apply>. Applications

submitted in any other way will not be considered. We recommend combining attached documents into one or two files in PDF/MS Word format. If you have any questions about this position, please contact the ECE department at search2018@ece.utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Toronto

Associate Professor, Tenure-stream

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for up to four full-time tenure-stream faculty

appointments at the rank of Associate Professor. The appointments will commence on July 1, 2019.

Within the general field of electrical and computer engineering, we seek applications from candidates with expertise in one or more of the following strategic research areas: 1. Computer Systems and Software; 2. Electrical Power Systems; 3. Systems Control, including but not limited to autonomous and robotic systems.

Applicants are expected to have a Ph.D. in Electrical and Computer Engineering, or a related field, and have at least five years of academic or relevant industrial experience.

Successful candidates will be expected to maintain and lead an outstanding, independent, competitive, innovative, and externally funded research program of international calibre, and to teach at both the undergraduate and graduate levels. Candidates should have demonstrated excellence in research and teaching. Excellence in research is evidenced primarily by sustained and impactful publications in leading journals or conferences in the field, awards and accolades, presentations at significant conferences and a high profile in the field with strong endorsements by referees of high international standing. Evidence of excellence in teaching will be demonstrated by strong communication skills, a compelling statement of teaching submitted as part of the application highlighting areas of interest, awards and accomplishments, and teaching philosophy; sample course syllabi and

materials; and teaching evaluations, as well as strong letters of recommendation.

Eligibility and willingness to register as a Professional Engineer in Ontario is highly desirable.

Salary will be commensurate with qualifications and experience.

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto ranks among the best in North America. It attracts outstanding students, has excellent facilities, and is ideally located in the middle of a vibrant, artistic, diverse and cosmopolitan city. Additional information may be found at <http://www.ece.utoronto.ca>.

Review of applications will begin after September 1, 2018, however, the position will remain open until November 29, 2018.

As part of your online application, please include a cover letter, a curriculum vitae, a summary of your previous research and future research plans, as well as a teaching dossier including a statement of teaching experience and interests, your teaching philosophy and accomplishments, and teaching evaluations. Applicants must arrange for three letters of reference to be sent directly by the referees (on letterhead, signed and scanned), by email to the ECE department at search2018@ece.utoronto.ca. Applications without any reference letters will not be considered; it is your responsibility to make sure your referees send us the letters while the position remains open.

You must submit your application online while the position is open, by following the submission guidelines given at <http://uoft.me/how-to-apply>. Applications submitted in any other way will not be considered. We recommend combining attached documents into one or two files in PDF/MS Word format. If you have any questions about this position, please contact the ECE department at search2018@ece.utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons/ persons of colour, women, Indigenous/ Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Toronto

Assistant Professor, Tenure-stream

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for up to four full-time tenure-stream faculty appointments at the rank of Assistant Professor. The appointments will commence on July 1, 2019.

Within the general field of electrical and computer engineering, we seek applications from candidates with expertise in one or more of the following strategic research areas: 1. Computer Systems and Software; 2. Electrical Power Systems; 3. Systems Control, including but not limited to autonomous and robotic systems.

Applicants are expected to have a Ph.D. in Electrical and Computer Engineering, or a related field, at the time of appointment or soon after.

Successful candidates will be expected to initiate and lead an outstanding, innovative, independent, competitive, and externally funded research program of international calibre, and to teach at both the undergraduate and graduate levels. Candidates should have demonstrated excellence in research and teaching. Excellence in research is evidenced primarily by publications or forthcoming publications in leading journals or conferences in the field, presentations at significant conferences, awards and accolades, and strong endorsements by referees of high international standing. Evidence of excellence in teaching will be demonstrated by strong communication

skills; a compelling statement of teaching submitted as part of the application highlighting areas of interest, awards and accomplishments, and teaching philosophy; sample course syllabi and materials; and teaching evaluations, as well as strong letters of recommendation.

Eligibility and willingness to register as a Professional Engineer in Ontario is highly desirable.

Salary will be commensurate with qualifications and experience.

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto ranks among the best in North America. It attracts outstanding students, has excellent facilities, and is ideally located in the middle of a vibrant, artistic, diverse and cosmopolitan city. Additional information may be found at <http://www.ece.utoronto.ca>.

Review of applications will begin after September 1, 2018, however, the position will remain open until November 29, 2018.

As part of your online application, please include a cover letter, a curriculum vitae, a summary of your previous research and future research plans, as well as a teaching dossier including a statement of teaching experience and interests, your teaching philosophy and accomplishments, and teaching evaluations. Applicants must arrange for three letters of reference to be sent directly by the referees (on letterhead, signed and scanned), by email to the ECE department at search2018@ece.utoronto.

ca. Applications without any reference letters will not be considered; it is your responsibility to make sure your referees send us the letters while the position remains open.

You must submit your application online while the position is open, by following the submission guidelines given at <http://uoft.me/how-to-apply>. Applications submitted in any other way will not be considered. We recommend combining attached documents into one or two files in PDF/MS Word format. If you have any questions about this position, please contact the ECE department at search2018@ece.utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Toronto, Mississauga

Assistant Professor, Tenure-stream

The Department of Mathematical and Computational Sciences at the University of Toronto Mississauga (UTM) invites applications for a tenure-stream appointment in the area of Robotics. The appointment will be at the rank of Assistant Professor, and will commence on July 1, 2019, or shortly thereafter.

Candidates must have a Ph.D. in computer science or robotics or a related field by the time of appointment, or shortly thereafter, with a demonstrated record of excellence in research and teaching. We are interested in candidates in all areas of computer science that touch upon robotics in the broadest possible sense. We are especially interested in exceptional candidates who transcend traditional computing research topics and complement our existing strengths (see our websites at <https://www.utm.utoronto.ca/math-cs-stats/> and www.cs.toronto.edu).

The successful candidate will be expected to pursue innovative and independent research at the highest international level and establish an outstanding, competitive and externally funded 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 and in particular to establish a research presence in robotics with graduate students at the UTM campus.

Candidates must provide evidence of research excellence as demonstrated by a record of publications in top-ranked and field relevant journals or forthcoming publications meeting high international standards, the submitted research statement, presentations at significant conferences, awards and accolades, and strong endorsements from referees of high standing.

Evidence of excellence in teaching will be provided through teaching accomplishments, the teaching dossier, a teaching statement, sample course syllabi, and the teaching evaluations submitted as part of the application, as well as strong letters of reference.

Salary will be commensurate with qualifications and experience, and will be competitive with our North American peers.

The University of Toronto is an international leader in Computer Science research and education. UTM is part of the tri-campus University of Toronto system, and the successful candidate will hold his (her) appointment in the Department of Mathematical and Computational Sciences at UTM and will also be a member of the tri-campus Graduate Department of Computer Science. UTM is embarking on an ambitious expansion to its computer science program over the next several years and in the near term is focused on building a research cluster in the area of robotics. The successful candidate will form the nucleus of this robotics cluster, and we anticipate additional hires in the area in the next few years. The position

comes with substantial startup funding for the cluster, including a significant new laboratory space allocation, resulting in a unique opportunity for driven individuals with the leadership skills to build a substantial new research enterprise in a thriving metropolitan area.

All qualified candidates are invited to apply through AcademicJobsOnline at <https://academicjobsonline.org/ajol/jobs/11935>. Applicants must submit a cover letter; a current curriculum vitae; a list of publications; a research statement outlining current and future research interests; and a teaching dossier to include a teaching statement, sample course syllabi, and teaching evaluations. Applicants must also arrange to have at least four valid letters of reference (on letterhead, dated and signed) uploaded through AcademicJobsOnline directly by the writers, including at least one primarily addressing the candidate's teaching, by the closing date.

Review of applications will begin after November 15, 2018; however applications will be accepted until the position is filled.

For more information about the Department of Mathematical and Computational Sciences at the University of Toronto Mississauga see our website at <https://www.utm.utoronto.ca/math-cs-stats/>. Information about the tri-campus Graduate Department of Computer Science can be found at www.cs.toronto.edu. For additional enquiries, please contact Julia Martyn, Chair's Assistant, at julia.martyn@utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons/ persons of colour, women, Indigenous/ Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Zurich

Assistant Professorship in Interacting with Data (Non-tenure Track)

The Faculty of Business, Economics and Informatics of the University of Zurich invites applications for an

Assistant Professorship in Interacting with Data (Non-tenure Track)

starting in 2019.

Candidates should hold a Ph.D. degree in Computer Science with specialization in Interactive Data Analysis, Visual Analytics, Information Visualization or related areas and have an excellent record of academic achievements in the relevant fields. A strong motivation to teach both at the undergraduate and the graduate levels as well as an interest in human and societal aspects of managing data are highly beneficial.

The successful candidate is expected to establish her or his research group within the Department of Informatics.

actively interface with the other groups at the department and the faculty, and seek collaboration with researchers across faculties within the Digital Society Initiative of the University of Zurich.

Through its educational and research objectives, the University of Zurich aims at attracting leading international researchers who are willing to contribute to its development and to strengthening its reputation. The University of Zurich is an equal opportunity employer and strongly encourages applications from female candidates.

Please submit your application at <https://www.facultyhiring.oec.uzh.ch/position/9633792> before November 30, 2018.

Documents should be addressed to Prof. Dr. Harald Gall; Dean of the Faculty of Business, Economics and Informatics; University of Zurich; Switzerland.

For further questions regarding the profile of the open position please contact Prof. Renato Pajarola (pajarola@ifi.uzh.ch).

University of Zurich

Professorship in Human and Crowd Computing

The Faculty of Business, Economics and Informatics of the University of Zurich invites applications for a

Professorship in Human and Crowd Computing (Assistant/Associate/Full)

starting in fall 2019.

Candidates should hold a PhD in Computer Science, Informatics or a related discipline, and have an excellent research record in the area of "Human and Crowd Computing," ideally with a focus in one or multiple of the following sub-areas: Social Computing, Human Computation, Collective Intelligence, Human-Agent Interaction, Computer-Supported Cooperative Work, Incentive Design/Mechanism Design, Information Elicitation, and the Design/Analysis of Social Platforms. We expect the candidate to be committed to excellence in teaching both at the undergraduate and the graduate levels. German language skills are not required.

The successful candidate is expected to conduct high-quality research within the area of Human and Crowd Computing and establish her or his research group within the Department of Informatics and internationally. The successful candidate is also expected to actively interface with the other groups at the department and the faculty, and seek collaborations with researchers across faculties within the Digital Society Initiative of the University of Zurich as well as internationally.

The Faculty of Business, Economics and Informatics offers a stimulating research environment and rich opportunities for collaboration. The Human and Crowd Computing professorship is another step towards establishing the strengths of the Department of Informatics within its three focus areas of people-oriented computing, computing and economics, and big data analytics.

The University of Zurich is one of the leading research universities in Europe and offers the widest range of study courses in Switzerland to over 26,000 students. Through its educational and research objectives, the University of Zurich aims at attracting leading international researchers who are willing to contribute to its development and to strengthening its reputation. The University of Zurich is an equal opportunity employer and strongly encourages applications from female candidates.

Please submit your application, including a CV, contact information for at least three references, three papers (published or unpublished), and a record of teaching effectiveness (taught courses and evaluations) via <https://www.facultyhiring.oec.uzh.ch/position/10092545> before 30 November, 2018.

Documents should be addressed to Prof. Dr. Harald Gall; Dean of the Faculty of Business, Economics and Informatics; University of Zurich; Switzerland.

For questions regarding the open position please contact Prof. Thomas Fritz (fritz@ifi.uzh.ch) or Prof. Abraham Bernstein (bernstein@ifi.uzh.ch) or Prof. Sven Seuken (seuken@ifi.uzh.ch).

Vassar College

Assistant Professor of Computer Science

The Department of Computer Science at Vassar College invites applications for a tenure-track position at the rank of

Professional Opportunities

Assistant Professor starting in the 2019-20 academic year.

Vassar College is an affirmative action and equal opportunity employer with a strong commitment to increasing the diversity of the campus community and the curriculum and promoting an environment of equality, inclusion and respect for difference. Candidates who can contribute to that goal are encouraged to identify their strengths and experiences in this area. Applicants who have demonstrated commitment

to diversity and inclusion are particularly encouraged to apply.

The successful candidate will be expected to teach both intro level courses, as well as upper level courses in their area of specialty. A commitment to excellence in undergraduate teaching and research is expected. A PhD in Computer Science or related field is required by the start of the fall semester. Applicants in all areas of Computer Science are encouraged to apply; candidates



Worcester Polytechnic Institute

Assistant Professor of Computer Science

Looking for faculty colleagues who engage deeply in both research and teaching within a curriculum that embraces student projects and independent learning? Consider joining the faculty at WPI.

The Computer Science Department anticipates hiring multiple tenure-track faculty for the Fall of 2019 whose expertise is in the following areas:

- 1) Algorithms, particularly with expertise that may be complementary to interdisciplinary programs in Bioinformatics, Data Science and Learning Science;
- 2) Natural Language Processing,
- 3) Cyber-Physical Systems,
- 4) Dependable Software Systems,
- 5) Data Science, joining faculty in our interdisciplinary Data Science program,
- 6) Robotics, joining faculty in our interdisciplinary Robotics Engineering program,
- 7) Computational Neuroscience, working with faculty in Biology and our interdisciplinary Bioinformatics and Computational Biology program.

In addition to these specific areas, outstanding candidates in any area will receive full consideration. Candidates should have a PhD in Computer Science or a closely related field, and the potential for excellence in research and teaching.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low – faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. We are most proud of a recent No. 1 ranking for "faculty who best combine research and teaching."

(Wall Street Journal/Times Higher Ed, 2016). Located one hour west of Boston, the university's campus is in Worcester, Massachusetts, a thriving 21st century college city recognized as a growing hub of scientific and technological innovation.

Questions about the hiring process should be sent to recruit@cs.wpi.edu.

More information about the positions and instructions for applying are available at <http://apptrkr.com/1286887>. You will need to include detailed research and teaching statements, vitae and contact information for at least three references.

The deadline for applications is December 17, 2018 with applications continuing to be considered after that date until the positions are filled.

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making.

GREAT MINDS at WORK



Worcester Polytechnic Institute

Assistant Professor, Robotics Engineering

The WPI Robotics Engineering (RBE) Program (<http://www.wpi.edu/+RBE>) invites applications for a tenure-track faculty appointment.

Candidates should have a Ph.D. in Computer Science, Electrical and Computer Engineering, Robotics, or a closely related field. We are looking for faculty who would synergize with our current researchers in the fields of medical robotics, planning, controls, manipulation, autonomous vehicles, multi-agent systems, soft and bioinspired robots, haptics, human-machine interaction, and human augmentation and collaboration.

We especially encourage applicants with an expertise in autonomous vehicles (water/ground/air/space/etc.), including, but not limited to, autonomous navigation, multi-modal perception, learning, and connected vehicle technologies.

We are looking for individuals who value innovation, creativity, diversity, inclusion, and collaboration. Applicants must show potential for an innovative and sustainable research and teaching career. WPI expects faculty to be involved in a balance of research, teaching, and service.

WPI RBE, an ABET-accredited program, counts approximately 350 undergraduate and 170 graduate students and offers robotics engineering BS, MS, and Ph.D. degrees. In 2016 the program was awarded the inaugural ABET Innovation Award for its truly interdisciplinary, project-based curriculum that integrates Computer Science, Electrical and Computer Engineering, and Mechanical Engineering. The 18 core and 20+ affiliated robotics faculty members have research support from NSF, NIH, AFRL, ONR, NASA, DARPA, and industry funding. Our robotics laboratories include numerous and diverse robotic platforms. In addition to existing robotics facilities, faculty will have access to PracticePoint, a soon-to-be completed healthcare robotics R&D facility that is designed to promote collaboration between faculty, the medical robotics and cyber-physical systems industry, the University of Massachusetts Medical School, and physicians. We expect you to contribute to the exceptionally close-knit, collaborative, and collegial atmosphere we currently enjoy.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low — faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. We are most proud of a recent No. 1 ranking for "faculty who best combine research and teaching" (Wall Street Journal/Times Higher Ed, 2016). Located one hour west of Boston, the university's campus is in Worcester, Massachusetts. The second largest city in New England, Worcester is a thriving 21st century college city recognized as a growing hub of scientific and technological innovation.

You will actively engage in teaching robotics at both the graduate and undergraduate levels, and to establish a vibrant, externally funded research program.

Applications will be reviewed as they are received; therefore, applicants are encouraged to apply early, preferably by Dec. 10, 2018.

To apply, visit: <http://apptrkr.com/1285770>

WPI is an Equal Opportunity Employer. A pre-employment criminal records check is required.

GREAT MINDS at WORK



Worcester Polytechnic Institute

Assistant Professor of Data Science

The Data Science program invites applications for a tenure track position with a research focus in Data Science to begin in Fall 2019 to strengthen this strategic interdisciplinary area.

The new faculty will join the strong team of existing data science faculty working on interdisciplinary research related to big data on real-world grand challenge problems with societal impact.

Areas of strength in Data Science at WPI include statistical learning, machine learning, deep learning, large-scale data management, compressed sensing, big data analytics, signal processing, visualization, artificial intelligence, and Data Science applications from digital health, cyber security, social media, material sciences, neuro-sciences, connected communities, urban computing, to bioinformatics.

WPI is interested in applicants with research and teaching expertise in all areas of Data Science, but in particular in applicants with strong background complementary to the existing expertise. Areas of strength in Data Science at WPI include statistical learning, machine learning, deep learning, large-scale data management, compressed sensing, big data analytics, signal processing, visualization, artificial intelligence, and Data Science applications from digital health, cyber security, social media, material sciences, neuro-sciences, connected communities, urban computing, to bioinformatics. Outstanding candidates in any area of Data Science will receive full consideration. The successful candidate will hold an academic appointment in either the Mathematical Sciences or the Computer Science Department.

Candidates should have a Ph.D. in Computer Science, Mathematical Sciences, Statistics, Electrical Engineering or a closely related field, and the potential for excellence in teaching and research. Candidates should include detailed research and teaching statements, vitae, and contact information for at least three references.

Founded in 1865, WPI is one of the nation's first technological Universities known for its innovative project-based education. WPI's reputation as an innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low - faculty members, students, and other partners work together on real-world projects and purposeful research. We are most proud of a recent No. 1 ranking for "faculty who best combine research and teaching." (Wall Street Journal/Times Higher Ed, 2016).

The deadline for applications is December 10, 2018. Applications will be considered after that date until the position is filled.

To apply, visit: <http://apptrkr.com/1286301>

WPI is an Equal Opportunity Employer.

GREAT MINDS at WORK

in areas of research that complement existing faculty will be given special consideration. A typical teaching load is one lab course and one non-lab course each semester.

Vassar is a highly selective, coeducational liberal arts college of about 2450 undergraduates (no graduate students) located in the beautiful and historic Hudson Valley, 75 miles north of New York City. The city of Poughkeepsie benefits from rich cultural diversity and from convenient commuter-rail access to New York City.

Vassar faculty members are committed teacher/scholars who bring research and creative discovery to life for students in classrooms, labs, and studios and in individually mentored projects. They teach broadly in the curricula of their departments, advise students, and serve on college-wide and departmental committees. The College maintains a generous leave policy, provides strong support for research, and encourages multidisciplinary approaches to teaching.

Vassar College has built a strong undergraduate program in Computer Science. Introductory courses are taught using Scheme and Java. The department maintains Linux laboratories for introductory and advanced instruction. Faculty members are provided with workstations and laptops. For more information see <https://computerscience.vassar.edu/>.

To apply, please visit <https://employment.vassar.edu/applicants/Central?quickFind=52586> to link to the posting for this position. Candidates should submit a letter of application, C.V., diversity statement, graduate school transcript (unofficial copies accepted for initial application), at least three letters of recommendation (at least one of which directly addresses teaching), a statement of teaching experience and philosophy, and research statement. For inquiries, email Marc Smith, Chair, Computer Science Department, Vassar College, msmith@vassar.edu.

Review of applications will begin on October 15th and continue until the position is filled.

VCU College of Engineering

Computer Science Faculty Openings

The Computer Science Department of the College of Engineering (CoEGR) at Virginia Commonwealth University (VCU) invites applications for Assistant/Associate/Full Professor faculty.

Candidates should be qualified for an appointment based on publications and funding record as well as excellence in graduate and undergraduate teaching. Candidates in all areas of computer science will be considered, of special interest are faculty with research in cybersecurity and theoretical computer science.

VCU is a Carnegie-classified very high research activity university, ranked in the top 100 universities in the U.S. in federal R&D expenditures. The CoEGR is in an extensive growth stage, doubling the number of its faculty. Embarked on rapid growth, the department currently has 24 tenure-track, tenured and term faculty members.

Basic Qualifications: Applicants must have a doctorate in Computer Science or a related field. Relevant professional experience after receiving the Ph.D. is required. Successful candidates should have a well-developed research portfolio with evidence of multidisciplinary applications and external funding.

Application Process: Candidates should upload their application at <https://www.vcujobs.com/postings/82456>, as a single PDF file that includes, in this order, a cover letter, curriculum vitae, research and teaching statements, and the names and e-mail

addresses of four references (five references for Full Professors); reference letters will be requested by the search committee only for short-listed individuals. Only complete applications will be considered. Review of applications will start on November 1, 2018, and will continue until the positions are filled. For additional information, please contact Chair of the faculty search committee, Prof. Lukasz Kurgan, email: lkurgan@vcu.edu or phone: (804) 827-3986.

Virginia Commonwealth University is an equal opportunity/affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

Virginia Tech - Virginia Polytechnic Institute

Faculty, Secure Systems

The Bradley Department of Electrical and Computer Engineering at Virginia Tech seeks applications for an open rank position, specifically in the area of Secure Hardware/Software Systems. The position is based in Northern Virginia. Please visit www.ece.vt.edu for complete information and the application process.

To apply go to jobs.vt.edu and search on posting TR0180101 for complete information and the application process.

Wabash College

Tenure-Track Position in Computer Science

Wabash College invites applications for a tenure-track position in computer

science, to start July 1, 2019, in support of a new computer science major that we anticipate offering starting the fall 2019 semester. We anticipate hiring at the assistant professor level, but will consider candidates of any rank. A Ph.D. in computer science or closely related field by the time of appointment is expected. Any specialization will be considered, but preference may be given to areas that expand the breadth of the department. Applicants must have a commitment to excellence in undergraduate teaching, an appreciation for the broad intellectual community of an excellent liberal arts college, and the ability to work with a diverse student body.

Wabash College offers competitive salaries and benefits with substantial conference and research support for faculty. The appointments are made with the expectation of development or continuation of research or creative work.

Completed applications should be received before November 1, 2018. At the time of application, applicants will provide a letter of interest, vita, copies of undergraduate and graduate transcripts, essay describing teaching philosophy, research statement, and e-mail addresses for three persons who will submit confidential letters of recommendation (two of which should address teaching). Upon submission of the application, Wabash will e-mail references to request letters of recommendation, which are also due November 1. Questions concerning this position may be directed to Dr. William Turner, Chair of the Mathematics

and Computer Science Department, at turnerw@wabash.edu; application questions may be directed to Rochella Endicott, Academic Administrative Coordinator, at endicotr@wabash.edu.

Wabash College, a liberal arts college for men, seeks faculty and staff who are committed to providing quality engagement with students, high levels of academic challenge and support, and meaningful experiences that prepare students for life and leadership in a diverse, multicultural world. Wabash is an equal opportunity employer and welcomes applications from persons of all backgrounds.

Wake Forest University

Assistant Professor, Computer Science

To apply to this position, please visit our careers website at <http://www.wfu.careers/>

Applications are invited for multiple tenure-track Assistant Professor positions to begin August 2019. Applicants should have completed a PhD in Computer Science or closely related field by the time of appointment. Successful candidates should have a demonstrated potential for a strong research program in their areas of interest, as well as commitment to undergraduate and graduate education and student engagement. The Department is interested in a wide range of research areas including security, AI, machine learning, software engineering, HCI, cloud computing, imaging, data management and analytics, high-performance computing, bioinformatics, and computer

science education. Applicants with strong records in other areas may be considered.

Washington and Lee University

Assistant Professor of Computer Science

The Department of Computer Science at Washington and Lee University invites applications for a tenure-track Assistant Professor position for the fall of 2019. Candidates should have a Ph.D. in computer science by September 1, 2019, be committed to excellence in undergraduate teaching, and exhibit potential for maintaining a viable research program.

For more information about the department, see <http://cs.wlu.edu/>

Applications should include a cover letter, teaching and research statements, and three letters of reference, to be submitted to interfolio at <https://apply.interfolio.com/53674>

Washington State University Vancouver

COMPUTER SCIENCE - two non-tenure-track clinical assistant professor positions

COMPUTER SCIENCE - Washington State University Vancouver invites applications for two non-tenure-track positions at the clinical assistant professor level beginning January 2, 2019.

Required qualifications: MS in Computer Science or related field; experience in

application programming and Linux/Unix programming tools.

Preferred qualifications: Ph.D. in Computer Science or related field; college level teaching experience; teaching interest in at least two areas of: theory, operating systems, distributed systems, graphics, architecture or cloud/mobile computing; industry experience; ABET accreditation experience.

Primary responsibility is to teach and develop undergraduate courses in computer science. The successful candidate is also expected to participate in graduate education. Other responsibilities include holding office hours, advising, conducting course assessments, service contributions on committees, participation in recruitment events and contributing to our campus diversity goals (e.g. incorporate issues of diversity into mentoring, curriculum, or service).

WSU Vancouver serves about 3,600 graduate and undergraduate students and is fifteen miles north of Portland, Oregon. The School of Engineering and Computer Science (ENCS) is rapidly growing. WSU is Washington's land grant university with faculty and programs on four campuses. For more information: <http://ecs.vancouver.wsu.edu>. WSU Vancouver is committed to building a culturally diverse educational environment.

To apply: Please visit www.wsujobs.com and search postings by location. Applications must include: (1) cover letter with a clear description of experience relevant to the position; (2) vita including a list of three references, (3) a list of the

existing ENCS courses the candidate can teach and any new courses the candidate proposes to develop, and (4) a statement on equity and diversity (guidelines). Application deadline is open until filled.

WASHINGTON STATE UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EDUCATOR AND EMPLOYER. Members of ethnic minorities, women, special disabled veterans, veterans of the Vietnam-era, recently separated veterans, and other protected veterans, persons of disability and/or persons age 40 and over are encouraged to apply. WSU employs only U.S. citizens and lawfully authorized non-U.S. citizens.

Williams College

Tenure Track Faculty Positions in Computer Science

The Department of Computer Science at Williams College invites applications for two tenure-track positions, one at the assistant professor level and one open-rank, beginning fall 2019. The Assistant Professor position has a three-year initial term. The rank and initial term of the open-rank position will be determined by the qualifications of the successful candidate. Both positions are open to all areas of computer science.

New faculty will join eleven current members of the department in supporting a thriving and diverse undergraduate computer science major. Candidates should have a commitment to excellence in teaching and research,

and should, by September 2019, possess a Ph.D. in computer science or a closely related discipline. Successful candidates will teach a total of three courses during the academic year, along with associated labs.

The Department of Computer Science offers a congenial working environment, an excellent and diverse student body, and state-of-the-art facilities. Many opportunities exist for collaboration across disciplines. For more information about the department, please visit <http://www.cs.williams.edu>.

Applications should include a cover letter, curriculum vitae, teaching and research statements, and three letters of reference, at least one of which speaks to the candidate's promise as a teacher. The application materials should also address how the candidate's teaching, scholarship, mentorship and/or community service might support Williams' commitment to diversity and inclusion. Application materials must be submitted electronically through Interfolio: <https://apply.interfolio.com/53200>. Materials may be addressed to Professor Jeannie Albrecht, Chair, Department of Computer Science.

Review of applications will begin on December 1, and will continue until the positions are filled. Please direct all correspondence to hire@cs.williams.edu. All offers of employment are contingent upon completion of a background check as described here <https://faculty.williams.edu/prospective-faculty/background-check-policy/>.

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (<http://www.williams.edu>).

Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

Yahoo Research

Research Scientist

Yahoo Research is growing its strategic research teams to enable the company to build new products and platforms that our customers need, now and in the future. We have exciting job openings in several technical focus areas (data mining, optimization, machine learning, computational economics, security) in our New York City office located in Greenwich Village, one of the most exciting NYC neighborhoods, and Sunnyvale, CA campus.

The full position description is available here https://oath.wd5.myworkdayjobs.com/careers/job/US---New-York-Broadway-770/Research-Scientist_JR0001595

Please send your CV and a short letter of interest to Maxim Sviridenko (sviri at oath.com).

York University

Software Engineering (Assistant Professor, tenure-stream)

The Department of Electrical Engineering and Computer Science, York University, is seeking outstanding candidates in the area of Software Engineering for a tenure-stream position at the rank of Assistant Professor. Successful candidates will have a PhD in Software Engineering, or a closely related field, and a research record commensurate with rank. We are committed to building a diverse faculty able to mentor our diverse student body.

The appointment will commence on July 1, 2019, subject to budgetary approval.

For full position details, see <http://lassonde.yorku.ca/electrical-engineering-and-computer-science-assistant-professor-software-engineering>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a cover letter, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees.

Complete applications must be received by November 30, 2018.

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.

York University

Canada Research Chair (Tier 2) in Engineering

The Lassonde School of Engineering, York University seeks to identify and nominate an excellent woman researcher for a Tier 2 Canada Research Chair in Engineering. We are seeking an exceptional scholar recognized as an emerging or established international leader working in any research area related to our engineering programs (Civil, Computer, Electrical, Geomatics, Mechanical, Software, and Space Engineering). 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 strong dedication to research and teaching, a PhD in a field directly related to programs offered by one of our departments, and a minimum of three years of research or academic experience following completion

of your doctoral degree.

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 **December 31, 2018**.

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.

York University

Computer Security (2 positions): (I) Assistant/Associate/Full Professor (tenure-stream); (II) Sessional Assistant Professor (three-year CLA)

The Department of Electrical Engineering and Computer Science, York University, is seeking

outstanding candidates for two positions in Computer Security. One position is a tenure-stream professorial-stream position at open rank (Assistant, Associate or Full Professor). The other is a three-year contractually-limited professorial-stream appointment at the rank of Sessional Assistant Professor. Successful candidates will have a PhD in Computer Science, or a closely related field, and a research and teaching record commensurate with rank. Computer Security is a priority area for the Department as we continue to build a diverse faculty able to mentor our diverse student body. The appointments will commence on July 1, 2019, subject to budgetary approval.

For full position details, see <http://lassonde.yorku.ca/faculty-recruitment>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a cover letter indicating the rank for which the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for

three referees. Complete applications must be received by November 30, 2018.

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. Temporary entry for citizens of the U.S.A. and Mexico may apply per the provisions of the North American Free Trade Agreement (NAFTA) or citizens of Chile may apply per the provisions of the Canada Chile Free Trade Agreement (CCFTA).

York University

Computer Systems (Assistant or Associate Professor, tenure-stream)

The Department of Electrical Engineering and Computer Science, York University, is seeking

outstanding candidates in the area of Computer Systems for a tenure-stream position at the rank of Assistant or Associate Professor. Successful candidates will have a PhD in Computer Science, or a closely related field, and a research record commensurate with

rank. We are committed to building a diverse faculty able to mentor our diverse student body.

The appointment will commence on July 1, 2019, subject to budgetary approval.

For full position details, see <http://lassonde.yorku.ca/electrical-engineering-and-computer-science-assistantassociate-professor-systems>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a cover letter indicating the rank for which the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees. Complete applications must be received by **November 30, 2018**.

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.

York University

Computer Science (Associate or Full Professor, tenure-stream) - Markham Centre Campus

The Department of Electrical Engineering and Computer

Science, York University, is seeking outstanding candidates in the area of Computer Science for a tenure-stream position at the rank of Associate or Full Professor. The successful candidate will have a PhD in Computer Science or a closely related field, and a research record commensurate with rank. York University is looking for a leader to help develop a new program within the field of computer science for the university's new campus in Markham, just outside of Toronto, Canada. You will have the opportunity to build an innovative, professionally relevant educational experience from the ground up. You will be based at the York University Markham Centre Campus when the new campus is operational (expected in Fall 2021). From July 1, 2019 until the

opening of the Markham campus, you will teach and conduct research at the Keele campus while leading the development of our department's exciting new academic program for the new Markham campus. You will have proven strong research capability in any field of computer science, matched with proven student-oriented teaching and program development expertise including leveraging community involvement, experiential education, eLearning and evidence-based pedagogical innovations. We are committed to building a diverse faculty able to mentor our diverse student body.

The appointment will commence on July 1, 2019, subject to budgetary approval.

For full position details, see <http://lassonde.yorku.ca/electrical-engineering-and-computer-science-associatefull-professor-markham-campus>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application

includes a cover letter indicating the rank for which the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees. Complete applications must be received by **November 30, 2018**.

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.