

COMPUTING RESEARCH NEWS



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

OCTOBER 2019 Vol. 31 / No. 9

GRACE HOPPER
CELEBRATION
ANITA
B.ORG

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. The deadline for receipt of nominations is **November 29, 2019**.

See page for full article.

Expanding the Pipeline: A Broader Case for Diversity and Inclusion - CRA-Women Transitioning to CRA-Widening Participation

It is with great excitement that we share with our friends, colleagues, and broader computing community that CRA Committee on the Status of Women in Computing Research (CRA-W) is now officially CRA Committee on Widening Participation in Computing Research (CRA-WP).

See page for full article.

**CRA's Career Mentoring Workshop
Application is Now Open!**

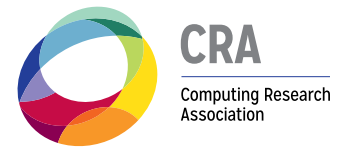
**A. Nico Habermann Nominations
Due December 6**

**Distinguished Service Award Nominations
Due December 6**

In This Issue

- 2 Former CRA Board Member Margaret Martonosi Selected to Run NSF CISE
- 3 Candidates Sought for CRA Board of Directors
- 4 Message from the Board Chair: Update on CRA Strategic Planning Effort
- 4 Application Open for 2020 CRA Career Mentoring Workshop
- 5 Expanding the Pipeline: A Broader Case for Diversity and Inclusion - CRA-Women Transitioning to CRA-Widening Participation
- 6 Check out the Latest Videos on the Grad Cohort Experience: Applications Open
- 7 Distributed Research Experiences for Undergraduates: Deadline January 15
- 8 Computing Researchers Fly-in to D.C. to Make the Case for Computing
- 9 How Do the Grad Cohort Workshops Measure Up? Past attendees of both Grad Cohort for URMD and Grad Cohort for Women weigh in.
- 11 Nominations Open for 2020 CRA-E Undergraduate Research Faculty Mentoring Award
- 12 CRA-E Graduate Fellows Program Accepting Nominations
- 13 CCC Workshop Report Released: Identifying Research Challenges in Post Quantum Cryptography Migration and Cryptographic Agility
- 15 Economics and Fairness Workshop Report Released
- 16 A 20-Year Community Roadmap for AI Research in the US: Slide Deck
- 17 CS for Social Good Award Announcement!
- 18 Announcements
- 19 VMware Systems Research Award
- 20 Board Members, Staff, Column Editor
- 21 Professional Opportunities

Former CRA Board Member Margaret Martonosi Selected to Run NSF CISE



National Science Foundation Director France Córdova **named** former CRA board member, current CRA-WP co-Chair, and current Princeton Computer Science professor Margaret Martonosi as the next head of the Computer and Information Science and Engineering directorate at NSF. Martonosi will assume the role of Assistant Director, CISE on February 1, 2020.



"At a time when computing sits at the fulcrum of just about every major national priority, having someone with Margaret's qualifications and perspective at the helm of CISE is tremendously exciting for the computing research community."

Martonosi is well known in the CRA-community, having served on the CRA board from 2009 to 2017, as a member of the CRA Government Affairs Committee, and as the current co-Chair of CRA's Widening Participation committee CRA-WP (formerly CRA-W). In 2018, she also led CRA's Computing Community Consortium effort to understand the next steps in Quantum Computing for computer science.

"Margaret is a great choice to continue the important work of NSF's CISE directorate," said Ellen Zegura, Chair of CRA's Board of Directors. "She has long been a leader in computer architecture with a recent focus on quantum computing. In addition to impeccable research credentials, Margaret has been a champion for diversity and inclusion in the field, working hard to make computing a safe, welcoming space for all. At a time when computing sits at the fulcrum of just about every major national priority, having someone with Margaret's qualifications and perspective at the helm of CISE is tremendously exciting for the computing research community."

Martonosi is the Hugh Trumbull Adams '35 Professor of Computer Science at Princeton and Director of the Keller Center for Innovation in Engineering Education there. She succeeds Jim Kurose as CISE AD, whose term ended on September 6, 2019, after nearly five years in the role.

Click [here](#) to read the full NSF announcement.

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. (CRA may decide to cover travel and hotel costs for individual Board members in exceptional circumstances.) 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 29, 2019**.
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 10, 2020, the Elections Committee will announce the draft ballot. Additional names may be added by the CRA community (as described below)
- On January 31, 2020, 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 7, 2020, 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 29, 2020, 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@cra.org.

Message from the Board Chair: Update on CRA Strategic Planning Effort

By Ellen Zegura, CRA Board Chair, Georgia Tech



To the CRA community—

I'd like to take this opportunity to give you a progress update on the CRA strategic planning effort. Over the course of October and November, the consultants from Greenway will hold focus group interviews with the steering committee for CRA-WP, the membership of the CCC, and the staff of CRA. They will also conduct interviews with individuals representing a variety of stakeholder groups for CRA, including academic and industry thought leaders, federal funders, heads of industrial and government research labs, and non-member institutions. In the spring, there will be an opportunity for all member institutions to provide input via a survey. In the meantime, if you have questions or comments on the strategic planning effort, please do not hesitate to [contact me or a member of the steering committee](#).

Application Open for 2020 CRA Career Mentoring Workshop

The eleventh biennial Career Mentoring Workshop will be offered by the Computing Research Association on February 27 and 28, 2020 in Washington, DC. This exciting workshop provides advice and mentoring activities for those starting an academic computing research career. Most attendees are in their first or second year as assistant professors. The workshop, consisting of a series of panels, is interspersed with opportunities to network with senior researchers and representatives from government agencies.

Click [here](#) to apply. The application deadline is October 31.

Expanding the Pipeline: A Broader Case for Diversity and Inclusion - CRA-Women Transitioning to CRA-Widening Participation



CRA-WP

Computing Research Association
Widening Participation

By the CRA Committee on Widening Participation in Computing Research



CRA-WP

Computing Research
Association

Widening Participation

It is with great excitement that we share with our friends, colleagues, and broader computing community that CRA Committee on the Status of Women in Computing Research (CRA-W) is now officially **CRA Committee on Widening Participation in Computing Research (CRA-WP)**. CRA-W was established in 1991 with the mission of increasing the success and participation of women in Computing Research. Since that time,

we have organized numerous programs at various levels to engage, encourage, and sustain women in computing. In 2004, CRA-W first partnered with the Coalition to Diversify Computing (CDC) to engage and increase the participation of individuals from additional underrepresented groups in computing. In 2008, this partnership became a BPC Alliance, further expanding and strengthening our outreach and programmatic efforts. Over the past decade, our programs have quite naturally shifted from being initially women-only or women-focused, to being increasingly co-ed, with a mission of serving a wide range of constituencies. This natural progression towards broadening our scope to address all forms of underrepresentation in computing continues to motivate and drive our extremely dedicated board of volunteers.

Over the last three years, the CRA-W Board along with the CRA-W Steering Committee, Emeritus Members and evaluators, have worked through a series of strategic planning efforts to reevaluate our mission, programmatic portfolio, and impact. Based on these efforts, we have decided to “make official” what our natural

progression in programs has already moved towards operationally. Namely, we have decided to officially widen our mission statement and governance to also include other historically underrepresented groups in computing. We believe that this better reflects the programming we are currently offering – which includes women, underrepresented minorities and persons with disabilities – and also reflects our desire to broaden and improve on these efforts going further. These underrepresented groups are important to the future of computing, and warrant the attention of many of us working on BPC issues. We look forward to continuing our service to the computing community in this new light.

Additionally, we feel it is important to reflect and signal this change to the community by modifying our name. As mentioned above, the board has approved the name change to CRA Widening Participation because it represents our best effort to reflect our broader mandate. We wanted to inform the computing community of this exciting transition, and to expect changes in our web page, social media, and other content as we make this transition public and visible!

Check out the Latest Videos on the Grad Cohort Experience: Applications Open



CRA-WP

Computing Research Association
Widening Participation

At the 2019 Grad Cohort for Women Workshop, more than 400 graduate students spent two days building both professional and support networks, while also attending sessions on how to succeed in graduate school. In three new videos, students, speakers, and sponsor representatives share their thoughts on the program's impact.

Check out these three 2019 Grad Cohort Workshop videos posted to CRA's [YouTube channel](#):

- [Grad Cohort for Women Workshop - For Attendees](#)
- [Grad Cohort for URMD Workshop - For Attendees](#)
- [Grad Cohort Workshops - Importance of Sponsors](#)

Do you have students interested in applying to the workshop? Share these videos with potential attendees:

- [Grad Cohort for Women](#)
- [Grad Cohort for URMD](#)

Participants find the workshop provides a welcoming environment which creates a sense of belonging. At Grad Cohort, attendees build confidence and connect with others going through similar experiences. [The applications for both workshops are now open.](#)

Interested in sponsorship? Check out the video on [sponsorship of both workshops](#). The workshops offer sponsors the opportunity to contribute to the mentorship of participants and to share information about initiatives and opportunities. The Grad Cohort Workshops are generously funded by sponsors from industry, ACM, CRA, academia, the National Science Foundation, and the computing community.

Distributed Research Experiences for Undergraduates: Deadline January 15



CRA-WP

Computing Research Association
Widening Participation

Do you have undergraduate students interested in exploring research in computer science? Or are you a faculty member interested in being a research mentor? Distributed Research Experiences for Undergraduates (DREU) might be the program for you!

“This is a great opportunity to experience research first hand and explore your interest for graduate school.”

- Past DREU participant

DREU interns have the opportunity to be directly involved in a research project and interact with graduate students and professors on a daily basis. This experience is invaluable for those who are considering graduate school; DREU will provide a close-up view of what graduate school is really like and increase interns' competitiveness as an applicant for graduate admissions and fellowships. Faculty mentors will have the opportunity to work on their research project with new students from other institutions and to mentor future graduate students.

Application Link: <https://www.abstractscorecard.com/cfp/submit/login.asp?EventKey=AMLIHOVJ>

Application Deadline: January 15

Acceptance: Rolling basis starting October

Computing Researchers Fly-in to D.C. to Make the Case for Computing

By Brian Mosley, CRA Policy Analyst

On September 11, 21 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 Maryland, and as far away as Wyoming and Montana, participated in over 50 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.



How Do the Grad Cohort Workshops Measure Up? Past attendees of both Grad Cohort for URMD and Grad Cohort for Women weigh in.



CERP

Computing Research Association
Evaluation

By Heather Wright, Associate Director of CERP

| | Grad Cohort for URMD | Grad Cohort for Women | Neither |
|--|----------------------|-----------------------|---------|
| Positive, welcoming environment | 100% | 100% | 0% |
| Safe space to discuss matters related to personal identity and intersectionality | 95% | 90% | 0% |
| Frank conversations about issues that individuals and groups in computing face | 95% | 86% | 0% |
| Ability to build lasting relationships with peers | 95% | 86% | 0% |
| Ability to build lasting relationships with mentors | 86% | 71% | 14% |
| Personal and career development-related topics important for current graduate students in computing | 100% | 100% | 0% |

Source: 2019, Center for Evaluating the Research Pipeline, Computing Research Association

Data displayed in the figure were collected using an online survey distributed to past participants of both the Grad Cohort for Underrepresented Minorities & Persons with Disabilities (URMD) and Grad Cohort for Women workshops in either or both of the 2018 and 2019 program years. The survey question used for this analysis was as follows: "Please select which workshop provides the following for participants. You may select one, both, or neither workshop." Choice option "Neither workshop" was exclusive, such that no other option could be selected when that choice was also selected.

Twenty-one graduate students who were past attendees of both the **Grad Cohort for Underrepresented Minorities & Persons with Disabilities** (URMD) workshop and the **Grad Cohort for Women** workshop in either or both of the 2018 and 2019 program years completed a follow-up survey to discuss their experience attending both events. The graphic above displays the percentage of past participants who thought a particular

workshop provided a series of benefits that are related to the goals of the programs.

As displayed above, 100% of respondents selected both Grad Cohort for URMD and Grad Cohort for Women as providing participants with a positive, welcoming environment and personal and career development-related topics important

Grad Cohort Workshops (*continued*)

for current graduate students in computing. The majority of respondents also selected both workshops as providing participants with a safe space to discuss matters related to personal identity and intersectionality and have frank conversations about issues that individuals and groups in computing face. Finally, a large portion of respondents also selected both workshops as providing participants with the

ability to build lasting relationships with peers and mentors, with only 14% of respondents indicating neither workshop provided participants with the ability to sustain mentorship relationships.

The [Grad Cohort for URMD 2020](#) and [Grad Cohort for Women 2020](#) applications are now open. The deadline for submission is November 15, 2019 at 11:59 PM, EST.

Notes:

During the spring of 2019, the CRA Center for Evaluating the Research Pipeline (CERP) sent an online survey to past participants of both the Grad Cohort for URMD and Grad Cohort for Women workshops; past participants included those who had attended both Grad Cohort for URMD and Grad Cohort for Women workshops in either or both of the 2018 and 2019 program years. Of the 32 past participants contacted, 23 responded to CERP's follow up survey (72% response rate) and 21 provided complete responses (91% completion rate).

The survey included a number of questions about workshop participants' experience attending both of the Grad Cohort workshops. The survey question used for this analysis was as follows: "Please select which workshop provides the following for participants. You may select one, both, or neither workshop." Choice option "Neither workshop" was exclusive, such that no other option could be selected when that choice was also selected.

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

This material is based upon work supported by the National Science Foundation under grant numbers CNS-1246649 and CNS-1840724. 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.

Nominations Open for 2020 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.

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 **Friday, November 22, 2019 by 5 PM (ET)**. Winners will be notified by early February 2020. Click [here](#) to view the 2019 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 2020 selection committee includes:

Denys Poshyvanyk (William & Mary), Chair
Eric Aaron (Colby College)
Chandra Krintz (UC Santa Barbara)
Jennifer Rexford (Princeton)

CRA-E Graduate Fellows Program Accepting Nominations



The Computing Research Association **Education Committee (CRA-E)** is now accepting **nominations** for the **CRA-E Graduate Fellows Program**. The program provides 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, 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 2019 are Robert ("Rob") Bowden, a Ph.D. student in computer science at Harvard University and Joslenne Peña, a Ph.D. student in informatics at Penn State 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 27, 2020 at 5 PM EST.

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

CCC Workshop Report Released: Identifying Research Challenges in Post Quantum Cryptography Migration and Cryptographic Agility

By CCC Staff

David Ott (VMware Research) and Chris Peikert (University of Michigan) provided contributions to this post.

On January 31-February 1, 2019, the **Computing Community Consortium** (CCC) held a workshop in Washington, D.C. to discuss research challenges associated with PQC migration entitled, “**Identifying Research Challenges in Post Quantum Cryptography Migration and Cryptographic Agility.**” Workshop organizers, David Ott (VMware) and Chris Peikert (University of Michigan), are pleased to announce **the release of the final workshop report.**

The implications of sufficiently powerful quantum computers for widely used public-key cryptography is well documented and increasingly discussed by the security community. Specifically, widely used RSA, ECDSA, ECDH, and DSA cryptosystems will need to be replaced by *post-quantum cryptography (PQC)* alternatives (also known as *quantum-resistant* or *quantum-safe* cryptography). Failure to transition before sufficiently powerful quantum computers are realized will jeopardize the security of public key cryptosystems which are widely deployed within communication protocols, digital signing mechanisms, authentication frameworks, and more.

To avoid this, NIST has actively led a PQC standardization effort since 2016, leveraging a large and international research community. While NIST’s standardization effort aims to determine *which* PQC algorithms are robust enough to provide suitable alternatives for the threat of quantum computers, that effort does not address the problem of *migration* from today’s widely deployed algorithms to future PQC alternatives across the diversity of computer systems that serve our society. The extensiveness of public key cryptography usage across the Internet means that an industry-wide migration to quantum safe cryptography standards (i.e., PQC) will be a massive undertaking, and one that is complicated by the layered complexity and heterogeneity of the worldwide compute infrastructure we operate.



CCC workshop discussion centered around two key themes: *identifying constituent challenges in PQC migration* and *imagining a new science of “cryptographic agility.”*

Key findings for PQC migration include:

- There is an important need for research to understand and quantify the implications of replacing today’s public cryptography algorithms (e.g., RSA, ECDH, ECDSA, DSA) with PQC alternatives across a wide variety of implementation and deployment contexts.
- Given that PQC algorithms generally have greater computation, memory, storage, and communication requirements (e.g., larger key sizes, more complex algorithms, or both), research and prototyping is needed to better understand performance, security, and implementation considerations.
- Research is needed on approaches to introducing new PQC algorithms (e.g., hybrids) within live systems that must remain interoperable with other systems during the period of massive industry migration. This includes such areas as formal modeling, automated tools, and approaching transition in complex infrastructures.



CCC Workshop Report (*continued*)

Key findings for cryptographic agility include:

- There is a need to broaden and recast traditional notions of cryptographic agility in light of the size and complexity of global PQC migration. A new science of cryptographic agility should include an expanded set of goals, a more comprehensive set of compute domains, a broader range of agility modalities and time scales, and the full range of security research methodologies.
- Research on cryptographic agility should include frameworks and architectures that enable agility across a wide variety of compute contexts, usable interfaces addressing various user roles, a better understanding of security and complexity tradeoffs, and other defining challenges.
- Context agility, or cryptographic frameworks that automatically select among algorithms and configuration based on the context of use, represents a long-term research vision that could shape the field.

- Cryptographic agility, independent of PQC migration, offers the benefit of making security systems more robust against algorithmic breakthroughs, revealed implementation flaws, emerging hardware accelerators, and other threats. It enables change in response to evolving security policy within an organization and support for new cryptographic features.
- In the context of PQC, it enables agility across multiple standards likely to be approved by NIST.

Additional findings include:

- Fundamental research is needed on policy, process, and people since these determine whether and when PQC adoption occurs at all.
- Research is needed on the frontiers of cryptography; that is, how PQC migration and cryptographic agility will apply to newer cryptography fields like secure multi-party computation, fully homomorphic encryption, blockchain, and more.

See [the full report here](#) to learn more.

Economics and Fairness Workshop Report Released

By CCC Staff

The **Computing Community Consortium** (CCC) recently released the **Algorithmic and Economic Perspectives on Fairness** workshop report. It is the output of the CCC's 1.5-day **Economics and Fairness** visioning workshop that took place in May 2019, in Cambridge, Massachusetts.

The workshop was organized by **David C. Parkes** (Harvard University, CCC Council) and **Rakesh Vohra** (University of Pennsylvania), with the support of the CCC's Fairness and Accountability Task Force. It brought together computer science researchers with backgrounds in algorithmic decision-making, machine learning, and data science with policy makers, legal experts, economists, and business leaders to discuss methods to ensure economic fairness in a data-driven world.

The report highlights the current trends and uses of algorithmic decision making systems, such as credit scoring, resume screening, and recommendation systems; the central concepts needed to evaluate the fairness and equity of such data-based systems; and the outstanding computing research challenges needed to tackle these kinds of problems. Unfortunately, as the report notes, "At present, there is a paucity of work that seeks to quantify the effect on outcomes across the many domains where we will see automated decision making. Measuring the effect of an algorithm on

an outcome is inherently difficult because decisions made (or influenced) by an algorithm may have happened identically in the absence of the algorithm."

Key questions in the decision-making process posed by the report include:

1. How do human decision makers interpret and integrate the output of algorithms?
2. When they deviate from the algorithmic recommendation is it in a systematic way?
3. What is the role of institutional incentives for decision makers?
4. What can one say about the design of an algorithm that results in fair (fairer?) decisions by the human, which complements human decision making?
5. What aspects of a decision process should be handled by an algorithm and what by a human to achieve desired outcomes?
6. The "insufficiently diverse research team" hypothesis is often cited as a reason for unfair machine learning algorithms.^[1] Yet, we have no systematic documentation of the effects of biased programmers or the effects of diverse AI workforce on the outputs created by practitioners.

The report also makes note of outstanding questions with regards to assessing outcomes ("Can we understand the common issues that prevent the adoption of algorithmic decision-making systems across domains and the common issues that produce harm across multiple domains?"), regulating



Rakesh Vohra



David Parkes

and monitoring these systems ("Does the regulation of algorithms result in firms abandoning algorithms in favor of less inspectable forms of decision-making?"), as well as how to raise the awareness of students and professionals to these concerns ("What should judges know about machine learning and statistics? What should software engineers learn about ethical implications of their technologies in various applications?").

Read the full **workshop report** [here](#).

[1] The implicit suggestion of the work of Buolamwini and Gebu (2018) on biases in facial recognition technology (FRT) is that were there more programmers with dark skin this wouldn't have happened.

A 20-Year Community Roadmap for AI Research in the US: Slide Deck



CCC

Computing Community Consortium
Catalyst

By CCC Staff

Recently, the **Computing Community Consortium (CCC)** released the completed Artificial Intelligence (AI) Roadmap, titled **A 20-Year Community Roadmap for AI Research in the US!** An HTML version is available [here](#). Slides summarizing the roadmap are now available [here](#). We encourage you to use these when sharing the community vision.

This roadmap is the result of a year long effort by the CCC and over 100 members of the research community, led by **Yolanda Gil** (University of Southern California and President of **AAAI**) and **Bart Selman** (Cornell University and President Elect of **AAAI**). Comments on a draft report of this roadmap were solicited in the Spring of 2019 and incorporated in the final report.

We would like to thank everyone again in the community who participated in workshops, helped write the report, submitted comments, and edited drafts. Your input and expertise helped make this roadmap extremely comprehensive. Please continue to share ideas with the community by presenting **the slides** to your colleagues and sending out **the report**.



CS for Social Good Award Announcement!

By CCC Staff

Earlier this summer, the **Computing Community Consortium (CCC)** announced a joint white paper competition with **Schmidt Futures** on the future of “CS for Social Good.” **Schmidt Futures**, founded by Eric and Wendy Schmidt, is a philanthropic initiative that bets early on people who will make our world better. The goal of the joint white paper competition was to harness computer science (CS) to address societal challenges. CCC put together a review committee consisting of CCC Council members, who read all submitted proposals and made decisions on the final papers.

The Best Overall Paper was awarded to **Connie Moon Sehat** from **Hacks/Hackers – Credibility Coalition** and **Ellen Zegura** from **Georgia Tech** for their *Misinformation Needs a Data Community: the NewsQA project* paper. In this paper, they describe the “News QA” (News Quality Aggregator) project, an initiative of the **Tow-Knight Center for Entrepreneurial Journalism**, Craig Newmark School of Journalism at CUNY, which is a database that also aims to be the foundation of an ecosystem around the question of news quality. NewsQA aims to provide the raw streams of information with which to understand what combination of factors may be associated with more reliable information or quality journalism in different contexts.

The Best Paper Addressing Opportunities in AI was awarded to **Kush Varshney** and **Aleksandra Mojsilovic** from **IBM Research** for their *Open Platforms for Artificial Intelligence for Social Good: Common Patterns as a Pathway to True Impact* paper. In this paper, they discussed how moving from demonstrations to true impact on humanity will require a different course of action, namely open platforms containing foundational AI capabilities to support common needs of multiple organizations working in similar topical areas. They lend credence to this proposal by describing three example patterns of social good problems and their AI-based solutions and argue that the development of such platforms will be possible through convenings of social change organizations, AI companies, and grantmaking foundations.

The Best Paper Authored by Grad Students or Postdocs was awarded to **Monica Chan** from **Teachers College, Columbia University** and **Ipek Ensari** from **Columbia University Data Science Institute** for their paper entitled *Using open-sourced data to nurture a civically engaged and computationally fluent generation*. They emphasize the need to educate our next generation to be computationally fluent in data science and analytics, yet be cognizant about the ever-changing climate of the society they live in by staying civically engaged. In addition, Chan and Ensari propose suggestions for interdisciplinary partnerships to make community data available and open-sourced for the purpose of effective, interdisciplinary K-12 data science education, with a curriculum that highlights civic engagement and provides access to all.

Runner up was awarded to **Lauren Klein**, **Beth Smith**, **Fei Sha**, and **Maja Matari** all from the **University of Southern California** for their *A Computational Approach to Earlier Detection and Intervention for Infants with Developmental Disabilities* paper. They plan to collect a body of data on infant play behaviors with an interactive robotic toy, as well as interactions between the infant and a caregiver with the toy. Using machine learning with data from each infant, they will search for infant behaviors which may be signs of developmental disability. If it works, this will help inform the diagnosis process and enable long term, computationally-enabled interventions to reduce disability and improve motor, cognitive, and social abilities for numerous infants with or at risk for developmental disabilities.

Thank you to everyone who submitted. Congratulations to all the winners!

Announcements

Are You Working on the Taulbee Survey?

The CRA Taulbee Survey is in progress. The deadline for the salary section is **December 1**.

Late December: Preliminary salary report available to participants.

January 17, 2020: Due date for the main Taulbee section.

CRA CV Database

The CRA [CV Database](#) is now open for the 2019-20 recruiting season. Please encourage all of your finishing PhD students looking for academic or industrial/government laboratory research positions to post their applications in mid-September before the academic recruiting season begins. In mid-October, recruiter access to the database will be made available.

Upcoming Nomination Deadlines

CRA Award for Outstanding Undergraduate Researchers

October 18

CRA-E Undergraduate Research Faculty Mentoring Award

November 22

Candidates Sought for CRA Board of Directors

November 29

CRA Distinguished Service Award

December 6

A. Nico Habermann Awards

December 6

CRA-E Graduate Fellows Program

January 27, 2020

VMware Systems Research Award

The VMware academic team is pleased to offer an annual award in support of the computer science research community. The objective of this award is to call attention to a valuable and promising body of emerging computer science systems research, and provide support for continued advances by an emerging research leader.

Award Characteristics:

- Frequency of Award: Annual
- Award amount: \$100,000
- Award Term: The award will be in the form of an unrestricted gift to the recipient's university, in support of his/her research
- 2016 winner: Matei Zaharia, Assistant Professor of Computer Science at Stanford University
- 2017 winner: Tim Kraska, Associate Professor of Electrical Engineering and Computer Science at MIT
- 2018 winner: Tiark Rompf, Assistant Professor of Computer Science at Purdue University

Key Dates:

- Nomination deadline: October 25, 2019
- Award announcement: December 6, 2019

Nomination process:

- Nominations may be submitted by the department chair (one per department chair).

- Each submission should include a proposed citation of at most 20 words, contact information for three references, and a one-page summary statement concerning the originality, impact, and future potential of the nominee's research.
- Nominations must be submitted via email to sysaward@vmware.com

Eligibility:

- Early-career university faculty worldwide (within 5 years of their first tenure-track appointment).
- Former full-time VMware employees are not eligible; previous interns are eligible.

Evaluation Criteria:

Originality, impact, and future potential of early-career research results in computer science systems research.

Award Committee:

The Award Committee is made up of distinguished faculty in the field of Computer Science systems research, as well as senior VMware research leaders. The Award Committee will be responsible for reviewing nominations and making the final selection of an award recipient.

Committee Chair:

- Michael Stonebraker (Massachusetts Institute of Technology)

Committee Members:

- Greg Ganger (Carnegie Mellon University)
- Jennifer Rexford (Princeton University)
- Edouard Bugnion (EPFL)
- Charles Isbell (Georgia Institute of Technology)
- Chris Ramming (VMware)
- Pratap Subrahmanyam (VMware)
- David Tennenhouse (VMware)
- Ole Agesen (VMware)

For more information about VMware Research Group, click here [VRG](#).

VMware is committed to diversity in all aspects of our organization. We embrace diversity through our employees, our suppliers and partners we work with, our customers, and the communities in which we work and live.

CRA Board of Directors

James Allan, University of Massachusetts, Amherst
Nancy Amato, University of Illinois, Urbana-Champaign
Carla Brodley, Northeastern University
Greg Byrd, North Carolina State University
Lorrie Cranor, Carnegie Mellon University
Andrea Danyluk, Williams College
Susan Davidson, University of Pennsylvania
Eric de Sturler, Virginia Tech
David Ebert, Purdue University
Stephanie Forrest, Arizona State University
Michael Franklin, University of Chicago
Dan Grossman, University of Washington
Brent Hailpern, IBM Research – Almaden
Mary Hall, University of Utah
Susanne Hambrusch, Purdue University
Kim Hazelwood, Facebook
Mark Hill, University of Wisconsin-Madison
Ayanna Howard, Georgia Tech
Charles Isbell, Georgia Tech
Kate Larson, University of Waterloo
Ran Libeskind-Hadas, Harvey Mudd College
Kathryn McKinley, Google
Greg Morrisett, Cornell University
Brian Noble, University of Michigan
Rachel Pottinger, University of British Columbia
Chris Ramming, VMware
Penny Rheingans, University of Maine
Barbara Ryder, Virginia Tech
Vivek Sarkar, Georgia Tech
Andrew Sears, Penn State University
Shashi Shekhar, University of Minnesota
Divesh Srivastava, AT&T Labs-Research
Jaime Teevan, Microsoft/University of Washington
Marvin Theimer, Amazon
Ellen Zegura, Georgia Tech

CRA Board Officers

Ellen Zegura, Chair
Nancy Amato, Vice Chair
James Allan, Treasurer
Ran Libeskind-Hadas, Secretary

CRA Staff

Andrew Bernat, Executive Director
Betsy Bizot, Director of Statistics and Evaluation
Daniela Cárdenas, Program Associate
Sandra Corbett, Program Manager
Khari Douglas, Senior Program Associate, CCC
Ann Drobnis, Director, Computing Community Consortium
Alejandra Guzman, Program Associate
Jill Hallden, Accounts Payable Specialist
Peter Harsha, Director of Government Affairs
Sabrina Jacob, Administrator
Brian Mosley, Policy Analyst
Erik Russell, Director of Programs
Shar Steed, Communications Specialist
Burçin Tamer, Director, Center for Evaluating the
 Research Pipeline
Heather Wright, Associate Director, Center for Evaluating the
 Research Pipeline
Helen Wright, Senior Program Associate, Computing
 Community Consortium
Evelyn Yarzebinski, CERP Research Associate

Column Editor

Expanding the Pipeline
Patty Lopez, Intel

Professional Opportunities

American University

*Term Faculty Position
Instructor or Professorial Lecturer
Department of Computer Science*

The Department of Computer Science of the College of Arts and Sciences at American University invites applications for a term faculty appointment for Spring 2020. Rank will be dependent on experience and stature in the field. The appointment is a 5-month position and will commence on January 13, 2020. The position is potentially renewable.

Applicants should hold a Ph.D. in Computer Science or related field. Highly qualified applicants with a Master's degree in Computer Science or related field will be considered. The ideal candidate will be an inspiring teacher with demonstrated excellence in entry-level Computer Science courses. Competency in the teaching of systems-oriented courses is desirable but not required. The successful candidate will be expected to teach two sections of our Introduction to Computer Science course (a python-based course that serves as an introduction to the computer science major) and a section of either our Data Structure course (Java-based) or our Systems programming course (C/C++-based). Alternatively, one of these three courses could be replaced by another course of his or her interest available in the department. All faculty are expected to hold office hours and participate in School and University activities and service.

The Computer Science Department offers both a BS and a MS in computer science.

The undergraduate major has been experiencing rapid growth. Learn more about the department at <https://www.american.edu/cas/cs/>.

American University is a private institution within easy reach of the many centers of government, business, research, and the arts located within the nation's capital. For more information about American University, visit www.american.edu.

American University is an equal opportunity, affirmative action institution that operates in compliance with applicable laws and regulations. The university does not discriminate on the basis of race, color, national origin, religion, sex (including pregnancy), age, sexual orientation, disability, marital status, personal appearance, gender identity and expression, family responsibilities, political affiliation, source of income, veteran status, an individual's genetic information or any other bases under federal or local laws (collectively "Protected Bases") in its programs and activities. American University is a tobacco and smoke-free campus.

Submitting an Application

Salary is competitive. Review of applications will begin on October 21, 2019 and will continue until the position is filled. Please submit applications via: <http://apply.interfolio.com/68398> a letter of application, curriculum vitae, teaching statement, three letters of recommendation, and teaching evaluations and/or other material documenting teaching excellence,

especially in the context of introductory computer science courses. Please contact Nathalie Japkowicz at japkowic@american.edu if you have any questions.

American University

Open Rank, Computer Science

The Department of Computer Science in the College of Arts and Science at American University invites applications for two full-time, tenure-line positions beginning August 1, 2020. One of the positions is at the rank of Assistant or Associate Professor. The other position is at the rank of Associate or Full Professor. Applicants should have a Ph.D. or an anticipated Ph.D. completion by August 2020 in the field of Computer Science. Depending on qualifications, the appointee to this position may be recommended for tenure at the time of hiring.

We are looking for candidates who are strongly committed to excellence in scholarly research, are effective teachers, and are excited at the prospect of joining a growing department where they will be able to make their mark and join a friendly, collegiate and highly accomplished team.

Preference will be given to candidates with a record of high-quality scholarship. The committee will consider candidates in all areas of research with emphases on individuals engaged in large scale projects that make use of high-performance computing tools and on individuals engaged in cybersecurity

Professional Opportunities

projects. Other areas of research of interest to the department include Natural Language Processing, Deep Learning, Database Management, and Networking. Excellent candidates in other research areas, especially with domains of applications compatible with those active at American University, will also be considered as we strongly welcome researchers who ignore traditional disciplinary boundaries. In addition to scholarship and teaching, responsibilities will include participation in department, school and university activities.

Salary and benefits are competitive. Review of applications will begin by November 1. Please submit applications via Interfolio: <http://apply.interfolio.com/67762>. Include a letter of application, curriculum vitae, three letters of recommendation, recent teaching evaluations (when possible), and copies of recent published papers or working papers. Please contact Professor Nathalie Japkowicz at japkowic@american.edu if you have any questions.

American University is a private institution located in the nation's capital within easy reach of the many centers of government, business, research, and the arts. For more information about American University, visit www.american.edu. The Department of Computer Science is a small but exciting department with a growing student population and strong research achievements.

American University has specifically identified Computer Science as one of its targets for growth, with the goal

of making it a premium research and teaching unit within the university. Computer Science also falls within several areas of strategic focus identified by the university president in her strategic plan, such as Data Science and Security. Along with the Department of Mathematics and Statistics, the Department of Physics, the Game Lab, and the Entrepreneurship and Innovation Incubator, the Department of Computer Science has moved into the brand-new Don Myers Technology & Innovation Building. Computer Science currently offers an undergraduate and a Master's program with four different tracks (Applied, Data Science, Game, and Cybersecurity). A combined Ph.D. program with the Mathematics and Statistics Department is being discussed. Learn more about the College of Arts and Sciences at <http://www.american.edu/cas/> and about the Department of Computer Science at <http://www.american.edu/cas/cs/>.

American University is an equal opportunity, affirmative action institution that operates in compliance with applicable laws and regulations. The university does not discriminate on the basis of race, color, national origin, religion, sex (including pregnancy), age, sexual orientation, disability, marital status, personal appearance, gender identity, and expression, family responsibilities, political affiliation, source of income, veteran status, an individual's genetic information or any other bases under federal or local laws (collectively "Protected Bases") in its programs and activities. American University is a tobacco and smoke-free campus.

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, 2020. 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.

We seek a colleague who is committed to excellence in undergraduate education and in research involving undergraduate students, and who is enthusiastic about teaching courses in a variety of areas. The teaching responsibility is two courses each semester.

The department has six tenure-line faculty with vibrant research programs in the areas of algorithms, data science, machine learning, and systems, all involving undergraduate students and supported by top notch research and teaching facilities. The successful candidate must have a Ph.D. in computer science in hand or have

Professional Opportunities

fulfilled all requirements for the degree by the start of the appointment.

A cover letter, curriculum vitae, research and teaching statements, and three confidential letters of recommendation must be submitted electronically to <https://apply.interfolio.com/66321>.

Applications received by October 21, 2019, will be assured of full consideration. Review of applications will continue until the position is filled.

Amherst College is a small, highly selective liberal arts college located in western Massachusetts. 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.

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.

Arizona State University

Coordinator, Associate or Full Professor in Statistics

Arizona State University is accepting applications for a Statistics Coordinator.

For more information, visit <https://www.mathjobs.org/jobs/jobs/14487>.

Arizona State University

Assistant or Associate Professor in Statistics

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

For more information, visit <https://www.mathjobs.org/jobs/jobs/14488>.

Arizona State University

Professor (all ranks) Computer Science and Biodesign Institute

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

We seek applicants who will contribute to our programs and expand collaborations between the Biodesign

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

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

Appointments are expected to begin August 2020. The tenure home may be in any of the Fulton Schools of Engineering, although the School of Computing, Informatics and Decision Systems Engineering is currently the most involved in the interest areas of the search. Teaching responsibilities will be to the School to which the candidate is appointed, and the research program will be closely tied to Biodesign CBSS.

Professional Opportunities

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

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

Applications in the reserve pool may be reviewed in the order in which they were received until the position is filled. Apply at <https://hiring.engineering.asu.edu>. Candidates will be asked to submit the following through their Interfolio Dossier:

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

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

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) at

<https://www.asu.edu/aad/manuals/acd/acd401.html> and the Title IX statement at <https://www.asu.edu/titleIX/>.

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

Bard College

Regular Full-time Faculty in Computer Science

Bard College at Simon's Rock invites applications for a full-time faculty member in Computer Science to begin January or August 2020. Candidates in all areas of computer science or interdisciplinary fields that intersect with computer science (such as any of the computational social sciences, digital humanities, or data science) are encouraged to apply. Applicants should hold a PhD, Masters, or professional equivalent in Computer Science or closely related field, and have substantial programming and teaching experience.

Bard College at Simon's Rock is a highly selective, small, liberal arts college for students eager to begin college early, usually after the tenth or eleventh grade. It is the model for the Bard High School Early Colleges in New York City, Newark, Baltimore, Cleveland, New Orleans, and

Washington, D.C. Excellent teaching is key to early college success, and we seek applicants with experience or particular interest in working with highly motivated young people. Bard Academy prepares students to enter our early college, offering a rigorous and creative ninth and tenth grade program. The successful candidate will be expected to teach in both the College and the Academy.

Applicants should demonstrate a strong interest in actively engaging students, in contributing to curriculum development, in making connections with other disciplines, and in aligning their teaching and research interests with those of the student population. Our Computer Science program promotes undergraduate research. Students have authored academic papers and contributed to building and maintaining our servers.

Full-time faculty course load is 3/3; the student-faculty ratio is below 9:1. Regular faculty appointments are for 3-, 4-, and subsequent 10-year contracts. Bard College at Simon's Rock is an equal opportunity employer, and we encourage applications from candidates of all races, nationalities, sexual orientations, gender identities, and socioeconomic levels. Located in rural Berkshire County, Massachusetts, Simon's Rock strives to cultivate and maintain a welcoming environment of equity and inclusion. Employment is contingent on successful completion of a background check. Review of applications will begin immediately and will continue until the position is filled. Visit us at www.simons-rock.edu.

Professional Opportunities

To apply, submit a cover letter, CV, research statement, teaching statement with evaluations, and three references to <https://simons-rock.slideroom.com/#/permalink/program/51561>. Application review will begin September 1 and continue until the position is filled.

Bentley University

Tenure Track Assistant/Associate Professor, Computer Information Systems

Summary:

The Department of Computer Information Systems (CIS) at Bentley University invites applications for a tenure track position at the assistant or associate professor level starting in the fall of 2020. A qualified candidate should have an excellent record of accomplishments in both research and teaching appropriate for the candidate's level of experience and will be expected to contribute to the CIS department's mission of educating technically adept information systems professionals and advancing the state of research at the intersection of business and digital technologies.

The CIS department offers programs at the undergraduate and master's levels and contributes courses to several other programs at Bentley including the undergraduate general education core and the graduate analytics core. The main areas of teaching include business intelligence and analytics, applied artificial intelligence, cybersecurity, database

management, enterprise architecture, computing and communication infrastructure, web & mobile technologies, application development, and IT project management. The CIS faculty's scholarship encompasses several areas of Information Systems and Computer Science. CIS faculty research receives external funding and appears in leading publication outlets.

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

Bentley University leads higher education in providing transformative business education grounded in the liberal arts and sciences. We instill in our students a deep sense of corporate social responsibility and prepare them to succeed in a future shaped by rapidly changing technology. We seek faculty and staff who represent diverse backgrounds, interests and talents, are dedicated to high ethical standards and have a willingness to embrace change. A team-oriented work environment promotes personal development and professional accomplishment.

Minimum Qualifications:

The department is seeking applicants with a PhD in Information Systems, Computer Science, or a related field.

Special Instructions to Applicants:

To apply, please go to <https://bentley.wdl.myworkdayjobs.com/faculty>. You will need to upload a resume/curriculum vitae, a cover letter and a reference list of three people. Names and contact information for three references are required upon application. Bentley will contact these confidential references for those candidates moving forward in the process. Review of applicants will start immediately and will continue until the position is filled. For questions, contact Dr. Monica Garfield (CISRecruiting@bentley.edu).

Binghamton University

Assistant Professor

The Computer Science Department at Binghamton University has one tenure-track assistant professor position beginning Spring 2020. Applicants should have a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to research and teaching. Qualified applications are invited from candidates with specializations in the areas of Artificial Intelligence (deep learning, computer vision, NLP, knowledge management and reasoning).

Further details and application information are available at: <http://binghamton.interviewexchange.com>.

Professional Opportunities

Applications will be reviewed until positions are filled. First consideration will be given to applications received by October 1, 2019.

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

Boston College

Non-Tenure Track Faculty Positions 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 also 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 without a Ph.D. would be eligible for the title of Lecturer, or Visiting Lecturer.

We will begin reviewing applications on October 15, 2019 and will continue considering applications until the positions are filled. Applicants should submit a cover letter, CV, and a

separate teaching statement and arrange for three confidential letters of recommendation that comment on their teaching performance to be uploaded directly to Interfolio. To apply go to <https://apply.interfolio.com/68339>. Boston College conducts background checks as part of the hiring process. Information about the university and our department is available at <https://www.bc.edu> and <http://cs.bc.edu>.

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.

Boston College

Tenure Track Assistant Professor of Computer Science

The Computer Science Department of Boston College seeks a tenure-track Assistant Professor beginning in the 2020-2021 academic year. Successful candidates for the position will be expected to develop strong research programs that can attract external funding in an environment that also values high-quality undergraduate teaching. Outstanding candidates in all areas of Computer Science 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. See <http://cs.bc.edu> and <https://www.bc.edu/bc-web/schools/mcas/sites/schiller-institute.html> for more information. Application review is ongoing. Boston College conducts background checks as part of the hiring process.

Submit a cover letter, a detailed CV and teaching and research statements. Arrange for three confidential letters of recommendation to be uploaded directly to Interfolio. To apply go to <https://apply.interfolio.com/68273>.

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.

Brown University

Lecturer in Computer Science

The Department of Computer Science at Brown University seeks applicants for a faculty position 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). This position is part of a major expansion plan for

Professional Opportunities

the department as it is increasing its roster by 50% over the next few years.

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

Brown offers a vibrant community for both teaching and research, with 34 tenured and tenure-track faculty members, two lecturers, three research faculty and several affiliated, adjunct, and visiting faculty members. The department has a strong undergraduate culture, anchored by a mature, program for undergraduate teaching assistants (endowed at \$10 million), as well as a long history of top-caliber published undergraduate research. Research and graduate programs leverage

disciplinary strengths in 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 position is expected to start in the fall of 2020. In selecting candidates, we will consider quality of teaching, evidence of effective teaching, commitment to diversity and inclusion, and compatibility with the area needs and interests of the department, as well as potential for effective participation in department or university activities. For all applicants, we will consider potential for impact beyond Brown (through teaching, research, significant system building, outreach, or other professional activities, as appropriate for the candidate). Applicants must have a Ph.D. by the start of the position. Applicants must submit a CV, a teaching statement, and a research statement (or a statement describing other significant professional activities beyond classroom instruction). Candidates must also arrange for at least three letters of reference to be submitted through the application website.

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/66319>). Review will begin on October 1, 2019, but applications will be considered until the position is filled. Inquiries may be addressed to: teaching_faculty_search_2020@lists.cs.brown.edu.

Bryn Mawr College

Continuing Lecturer, Computer Science

The Department of Computer Science at Bryn Mawr College invites applications for a full-time, continuing non-tenure-track Instructor or Lecturer and Computer Science Program Coordinator position to begin in August 1, 2020. An M.A./M.S. in Computer Science is required, though a Ph.D. in Computer Science or a related area is preferred. For more details on the position, please visit the Interfolio link below.

Professional Opportunities

To apply, submit a cover letter, curriculum vitae, statement of teaching philosophy including a list of courses able to offer, and statement of demonstrated commitment to diversity and inclusion by December 2, 2019 to the Computer Science Search Committee via Interfolio at: <https://apply.interfolio.com/65045>. In addition, arrange for three letters of recommendation to be submitted via Interfolio to the Computer Science Search Committee.

Applications received by December 2, 2019 will receive full consideration.

Bryn Mawr College

Tenure Track Assistant Professor, Computer Science

The Department of Computer Science at Bryn Mawr College invites applications for a full-time, tenure-track Assistant Professor position to begin August 1, 2020. We welcome applications from all areas of computer science. Candidates in the areas of theory, algorithms, or systems are especially encouraged to apply (such as Complexity, Algorithms, Operating Systems, Computer Architecture, Distributed Systems, Computer Networks). For more details on the position, please visit the Interfolio link below.

To apply, submit a cover letter, curriculum vitae, teaching philosophy, research statement, and statement of demonstrated commitment to diversity and inclusion by October 21, 2019 to the Computer Science Search Committee

via Interfolio at: <https://apply.interfolio.com/65044>. In addition, arrange for three letters of recommendation to be submitted via Interfolio to the Computer Science Search Committee.

Applications received by October 21, 2019 will receive full consideration.

California State Polytechnic University

Assistant Professors of Computer Science

The COMPUTER SCIENCE DEPARTMENT at California State POLYTECHNIC UNIVERSITY, POMONA invites applications for two tenure-track positions at the rank of Assistant Professor beginning in the 2020-2021 academic year. We are particularly interested in candidates with specialization in Software Engineering, Database/Data Mining, Artificial Intelligence, Data Science and related/emerging areas. Strong candidates from other areas are also encouraged to apply. Cal Poly Pomona is 30 miles east of L.A. and is one of 23 campuses in the California State University. The department offers an ABET-accredited B.S. program and an M.S. program. Qualifications: Possess at the time of appointment, a Ph.D. in Computer Science or closely related area. Demonstrate strong communication skills, commitment to actively engage in the teaching, research, and curricular development activities of the department at both undergraduate and graduate levels, and demonstrate a commitment to contribute, teach, and engage in a multicultural

environment with a diverse student body. Ability to teach a broad range of courses, and to articulate complex subject matter to students at all educational levels.

First consideration will be given to completed applications received no later than November 10, 2019. Contact: Faculty Search Committee, Computer Science Department, Cal Poly Pomona, Pomona, CA 91768. Email: cs@cpp.edu. Position announcement and application available at: <http://apply.interfolio.com/67598>

Lawful authorization to work in US required for hiring. EOE/Minorities/Females/Vets/Disability.

Caltech

Teaching Assistant Professor of Computing and Mathematical Sciences

The Department of Computing and Mathematical Sciences (CMS) at the California Institute of Technology invites applications for the position of Teaching Assistant Professor of Computing and Mathematical Sciences. This is a non-tenure-track teaching position, with full-time teaching responsibilities (typically, no more than two courses per term). The start date for the position is September 1, 2020, and the initial term of appointment can be up to three years.

The candidate will teach introductory computer science courses including CS 1, and engage in undergraduate academic advising. In addition, the ability to teach intermediate-level undergraduate systems courses in areas such as Operating

Professional Opportunities

Systems, Databases, and Distributed Systems is desired. The candidate may also assist in other aspects of the undergraduate program, including curriculum development and supervising research projects. The candidate must have a demonstrated commitment to excellence in teaching Computer Science to undergraduates. An advanced degree in Computer Science or a related field is desired but not required.

The CMS department at Caltech provides a unique environment for innovative and interdisciplinary research and teaching to be conducted in a collegial atmosphere. Teaching faculty in CMS are full members of the department on instructional matters, and may also participate in ongoing research projects in the department.

Applications will be accepted on an ongoing basis until the position is filled, but those received before December 1, 2019, will receive the fullest consideration.

Please view the application instructions and apply on-line at <https://applications.caltech.edu/job/cmslect>

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin, disability status, protected veteran status, or any other characteristic protected by law. Caltech is a VEVRAA Federal Contractor. Click [here](#) to read more about Equal Employment Opportunity (EEO).

Caltech is committed to working with and providing access and reasonable accommodations to applicants with physical or mental disabilities. To request disability accommodations for any part of the interview or hiring process, please contact 626-395-4560 for assistance or contact search@cms.caltech.edu.

Carleton College

Assistant Professor, Tenure-Track

Carleton College invites applications for a tenure-track position in computer science, beginning September 1, 2020. 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. We are particularly interested in candidates committed to teaching a diverse student body.

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 nine faculty and an experienced full-time system administrator, and typically graduates between 60 and 70 majors annually. Carleton is a liberal arts college with a student body of approximately 2,000. Located in the thriving two-college town of Northfield, Minnesota, it is forty-five miles from the Twin Cities of Minneapolis and St. Paul, in easy reach of a vibrant metropolitan area that is home to three million people and rich cultural resources.

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 1, 2019, including reference letters, will receive full consideration.

Carleton College does not discriminate on the basis of race, color, creed, ethnicity,

Professional Opportunities

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

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 3, 2019. To ensure full consideration of your application, please submit all materials no later than December 10, 2019. 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, Shenzhen

Tenured/Tenure-track/ Teaching-track Positions

The Institute for Data and Decision Analytics (iDDA) at The Chinese University of Hong Kong, Shenzhen (CUHK-SZ), was established in March 2018, aiming at building a world-class interdisciplinary research and educational center for data science. Now iDDA is inviting

Professional Opportunities

extraordinarily qualified candidates to fill multiple tenured, tenure-track or teaching-track faculty positions at all academic ranks.

We seek applicants with outstanding methodological foundations in one or more of the following areas: Operations Research, Data Science, Machine Learning and Artificial Intelligence, Statistics, Management Science, and other closely related areas. We especially encourage individuals whose interests and backgrounds are at the intersection of multiple areas to apply. Applicants should hold or expect to obtain a Ph.D. degree in a relevant field. The ability to teach effectively, at both the undergraduate and graduate levels to diverse groups of students, is required. Junior applicants must demonstrate a clear and high potential to enhance research and educational missions of iDDA. Senior applicants must have a well-established record of research and teaching accomplishments and have demonstrated scientific creativity and leadership with externally funded and highly visible research programs.

Interested individuals should apply online at <http://academicrecruit.cuhk.edu.cn/idda>. The application packages should include a cover letter, a curriculum vitae, a research statement and a teaching statement. In addition, applicants should provide names, titles, and emails of three references in the system. If you have any questions, please send an email to talent4idda@cuhk.edu.cn

The deadline for ensuring full consideration of applications is November 15, 2019. We will be attending INFORMS this year and in order to be considered for an interview at INFORMS, the applicant should submit his/her package by October 8, 2019.

College of the Holy Cross

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at the College of the Holy Cross invites applications for a full-time tenure-track appointment in computer science beginning August 2020. All research specialties will be considered. This position carries a 3-2 teaching load with a full-salary one-semester research leave prior to tenure review, and generous sabbatical and fellowship leaves for tenured faculty. Candidates must demonstrate commitment to, and excellence in, undergraduate teaching as well as scholarly achievement. A Ph.D. in computer science or a closely related field is required.

The College of the Holy Cross uses Interfolio to collect job applications electronically. Please submit all application materials (cover letter, curriculum vitae, statements on research and teaching, transcripts, and three confidential letters of recommendation) to <http://apply.interfolio.com/65560>

The College, a highly selective Catholic liberal arts college in the Jesuit tradition, values dialog among people from diverse perspectives as integral to the mission

and essential to the excellence of our academic program and is an Equal Employment Opportunity Employer.

Application review will begin on October 22, 2019 and continue until the position has been filled. Questions may be directed to Professor Laurie King, king@holycross.edu.

Colorado School of Mines

Faculty Positions Available -Department of Computer Science

Do you like blue sky and sunshine? What about mountains and outdoor activity? Or maybe you enjoy working with students who are extremely engaged and talented? Join the Department of Computer Science at Colorado School of Mines (CS@Mines) and have it all! CS@Mines invites applications for both tenured/tenure track and teaching faculty!

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

Teaching Faculty: CS@Mines has multiple teaching faculty positions available (open rank). Each successful candidate must be able to teach a variety of computer science core and elective courses. Candidates should also

Professional Opportunities

plan to support departmental recruiting efforts, coordinate multi-section courses, and participate in curriculum innovations and improvements. For more information: <https://jobs.mines.edu/cw/en-us/job/493959/computer-science-teaching-faculty-and-professors-of-practice>

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

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

Colorado State University

Web Developer - Research Associate II

The One Water Solutions Institute in the Department of Civil and Environmental Engineering at Colorado State University (CSU) is seeking an experienced developer to build and deploy web applications to support the Missouri River Recovery Program (MRRP). These applications include web-based interactions with geospatial databases, statistical summarization, visualization, integration of environmental models, and report generation capabilities. The development and deployment of the tools build on two CSU technologies: Cloud Services Integration Platform (CSIP) and environmental Resource Assessment and

Management System (eRAMS). Candidates must have strong programming experience with an interest in product design and have coded programs in HTML/JavaScript (React), Python, Java and SQL. The individual will work closely with technical staff at the U.S. Army Corps of Engineers and ESSA Technologies Ltd.

Application and additional information is available here: <https://jobs.colostate.edu/postings/70631>

Annual Salary Range: \$65,000 – \$75,000 (commensurate with qualifications and experience)

Anticipated start date: November 1, 2019

Application Deadline: Applications will be accepted until the position is filled. However, to ensure full consideration applications should be submitted by **11:59 PM MT on Sept 9, 2019.**

Cornell University

Full-Time Lecturer Opportunity

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

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

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

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. In line with Cornell's historical commitment to educating “... *any person ... in any study...*”, we seek candidates who will create a climate that is inclusive of all students, including students from historically underrepresented groups, and students who have overcome personal challenges. Applicants are asked to submit a Statement of Contribution to Diversity, Equity and Inclusion to describe their

Professional Opportunities

potential contributions to diversity and inclusion. See <http://facultydevelopment.cornell.edu/information-for-faculty-candidates/> for the university's commitment to diversity, inclusion and equity, including suggestions for what we are looking for in such statements, and see <https://cis.cornell.edu/diversity> for some CIS activities in this area.

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

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

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

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

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

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

Cornell University

Tenured and Tenure-track Faculty

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

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

Faculty hired in these positions will be members of the Department of Computer Science, which spans the Ithaca and New York City campuses, but their teaching and research will be based in Ithaca. A separate application is needed to be considered for a position at the New York City campus; please visit the website <https://tech.cornell.edu/jobs/> for further information about the New York City application process.

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

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

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

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

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

Professional Opportunities

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.

Dartmouth College

Assistant or Associate Professor of Computer Science

The Dartmouth College Department of Computer Science invites applications for three tenure-track faculty positions at the level of assistant or associate professor. We seek candidates who will be excellent researchers and teachers in any of the following three areas: (1) Machine Learning, (2) Algorithms, and (3) Computation for Physical Systems. (Examples of computation for physical systems include sensors, cyber-physical systems, graphics and computational design, robotics, and vision.) 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, Thayer School of Engineering, Geisel School of Medicine, and Tuck School of Business.

For more information and to apply: <https://apply.interfolio.com/68596>

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, 2020.

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 year appointments and, other than standard research trips, Neukom Fellows are expected to be in residence. Early departure means early cut-off of support. 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 2020-2021. Additional funds are available for equipment, travel, and research materials.

Applications must be submitted here: <https://academicjobsonline.org/ajol/jobs/14413>

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, 2020. Candidates must possess a Ph.D. in Computer Science or a closely related field by Fall 2020. 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.

Applications must be submitted online at <http://employment.davidson.edu>. Applications completed by October 10, 2019, will receive full consideration.

At Davidson College, we believe the college grows stronger by recruiting and retaining a diverse faculty and staff committed to building an inclusive community. In order to achieve and sustain educational excellence, we seek to hire talented faculty and staff across the intersections of diverse races, ethnicities, religions, sexual orientations, gender identities, ages, socio-economic backgrounds, political perspectives, abilities, cultures, and national origin.

Professional Opportunities

Drake University

Assistant Professor of Computer Science

The Drake University 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 2020. A Ph.D., or near completion, in computer science or a related area is required. Applicants from all areas of computer science or data analytics are welcome to apply. Drake University is an equal opportunity employer (EEO).

Review of applicants will begin November 1, 2019, and continue until filled.

For the full position description and application instructions visit <https://drake.HireTouch.com/>

Ecole polytechnique fédérale de Lausanne (EPFL)

Faculty Positions in Computer and Communication Sciences

The School of Computer and Communication Sciences (IC) at EPFL invites applications for tenure track faculty positions in all areas of computer and communication sciences.

Areas of particular interest are systems, programming languages and verification, unconventional computing, and intelligent systems. In rare cases, senior faculty appointments may be possible.

We seek candidates with an outstanding academic record and a strong commitment to teaching and mentoring students. EPFL offers internationally competitive salaries, generous research support, attractive start-up resources, and outstanding research infrastructure.

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

To apply, please follow the application procedure at <https://facultyrecruiting.epfl.ch/position/I8186243>

The following documents are requested in PDF format: cover letter, curriculum vitae including a publication list, brief statements of research and teaching interests, and contact information (name, postal address, and email) of 3 references. Screening will start on December 1, 2019. Further questions can be addressed to:

Profs. George Candea
and Rüdiger Urbanke

Co-Chairs of the Faculty
Recruiting Committee

recruiting.ic@epfl.ch

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

Emory University

Assistant Professor, Human Cognition

Emory University, Department of Psychology invites applications for a tenure-track position at the Assistant Professor level in Human Cognition. We are seeking candidates whose research crosses traditional disciplinary boundaries, and who have a strong commitment to undergraduate and graduate teaching and mentoring. Candidates whose research programs use Artificial Intelligence, Machine Learning, and/or Natural Language Processing methods to address fundamental questions in perception, language, reasoning, memory, decision-making, and social cognition are especially encouraged to apply. Ph.D. in psychology, neuroscience, computer science, or a related field required.

Candidates should submit applications via Interfolio at <https://apply.interfolio.com/65505>. Please include a CV, a research statement, a teaching statement, two or three representative publications, and three letters of recommendation. A brief diversity statement that addresses past activities and future plans to advance equity, inclusion, and diversity in your professional career is also required.

The deadline for applications is October 1, 2019, and applications received after this date will not be considered.

Emory University (Atlanta, GA) is an equal employment opportunity and affirmative action employer. Women, minorities, people with disabilities and veterans are strongly encouraged to apply.

Professional Opportunities

Emory University

Multiple Tenure-Track Faculty Positions

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

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

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

Emory CS is a dynamic, close-knit department with high research activity in

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

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

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

Informal inquiries are welcome via email to cssearch2019@emory.edu. Application

review starts October 15, 2019 and will continue until all positions are filled.

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

The Evergreen State College

Interdisciplinary Computer Science

The Evergreen State College seeks broadly trained faculty eager to develop innovative Computer Science curriculum at a public liberal arts college. We seek candidates enthusiastic about exploring the unique possibilities that computer science offers toward problem solving and critical thinking in team-taught curriculum developed with computer scientists and colleagues in other disciplines. Available funding supports student-initiated projects, internships, undergraduate research, and other creative approaches to computer science teaching and learning. We are eager to increase our capacity to create inclusive classrooms that support diverse learners in computational thinking and computer science.

For more information and to apply: <https://evergreen.peopleadmin.com/postings/2400>

Professional Opportunities

Fairfield University

*Tenure Track Assistant Professor of
Computer Science*

Department of Computer Science and Engineering in the School of Engineering at Fairfield University in Fairfield, CT invites applications for a tenure-track assistant professor in Computer Science and Engineering. Preference will be given to candidates with expertise in the general area of Cyber and/or Network Security. However, excellent candidates from all areas of Computer Science and Engineering will be considered.

For the full position description and application instructions visit https://ffd.wd1.myworkdayjobs.com/en-US/EmploymentOpportunities/job/Fairfield-CT/Tenure-Track-Assistant-Professor-of-Computer-Science_JR0000556

Franklin & Marshall College

*Tenure-Track Positions in
Computer Science*

Franklin & Marshall College invites applications for two tenure-track positions in the Department of Computer Science beginning Fall 2020, at the rank of Assistant Professor or Instructor depending on qualifications.

Applicants must submit materials through Interfolio. Details on the application process are available at Interfolio <http://apply.interfolio.com/67393>. Review of applications will begin on November 1, 2019, and continue until the positions are filled. Direct any

questions but no application materials to cssearch@fandm.edu or to Annalisa Crannell at 717-358-4222.

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

Franklin & Marshall College

Visiting Position in Computer Science

Franklin & Marshall College invites applications for a visiting position in the Department of Computer Science. The position would begin January 2020 with renewal for the full 2020-2021 academic year pending evidence of excellent teaching, the needs of the department, and administrative approval. The rank will be Visiting Assistant Professor or Visiting Instructor, depending on qualifications.

Applicants must submit materials at Interfolio. Details on the application process are available at Interfolio <http://apply.interfolio.com/67479>. Review of applications will begin on November 1,

2019, and continue until the position is filled. Direct any questions of hiring to cssearch@fandm.edu or to Annalisa Crannell at 717-358-4222.

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

Grinnell College

*Assistant Professor of Computer Science
(Area Open) - Tenure Track (start Fall 2020)*

GRINNELL COLLEGE. The Department of Computer Science invites applications for a tenure-track appointment (Area Open) beginning Fall 2020. Assistant Professor (Ph.D.) preferred; Instructor (ABD) or Associate Professor possible. Research and teaching interests are open (including, but not limited to, accessibility technology, artificial intelligence, algorithms, CS education, data science, databases, graphics, human-computer interaction, parallel and distributed computing, programming languages, security, software engineering, social and

Professional Opportunities

ethical issues in computing, systems, or theoretical computer science), but preference may be given to candidates who can teach upper-level software design courses. See <http://www.cs.grinnell.edu>.

Grinnell College is a highly selective undergraduate liberal arts college with a strong tradition of social responsibility. In letters of application, candidates should discuss their potential to contribute to a college community that maintains a diversity of people and perspectives as one of its core values. **To be assured of full consideration, all application materials should be received by October 17, 2019.** Please visit our department website at <http://www.cs.grinnell.edu> and our application website at <https://jobs.grinnell.edu> to find more details about the job and submit applications online. Candidates will need to upload a letter of application, curriculum vitae, transcripts (both undergraduate and graduate; copies are acceptable), a description of scholarly activities/agenda, and a teaching statement that describes anticipated teaching methods, measures of their effectiveness, and plans to support diversity in the department, the College, and the discipline, and provide email addresses for three references. Questions about this search should be directed to the search chair, Professor Jerod Weinman, at [CSSearch@grinnell.edu] or 641-269-3169.

Hampden-Sydney College

Computer Science Tenure-Track Job Ad

The Department of Mathematics and Computer Science at Hampden-Sydney College is seeking applicants for a tenure-track Assistant Professor of Computer Science position beginning mid-August 2020. Successful applicants will teach a range of undergraduate computer science courses. Hampden-Sydney College highly values the teacher/scholar model. Thus, candidates must demonstrate a strong commitment to teaching and the drive to sustain an ongoing program of scholarship. Applicants should have a Ph.D. in computer science or a closely related field by the time of appointment. We encourage candidates with a wide range of specialties to apply.

All applicants must submit a letter of application, curriculum vitae, teaching statement, and three letters of reference. Please submit all application materials to Professor Brian Lins, Chair, Department of Mathematics and Computer Science, Hampden-Sydney College via [Interfolio](#). Review of applications will begin on November 15 and will continue until the position is filled.

Hampden-Sydney College is a selective liberal arts institution for men enrolling over 1000 students, located on a beautiful 1300-acre campus in Virginia, 60 miles southwest of Richmond. Founded in 1775, it has been in continuous operation for 244 years, making it the tenth oldest institution of higher learning in the United States. Hampden-Sydney College values

diversity, prohibits discrimination, and is committed to equal opportunity for all employees and applicants for employment.

Harvard Business School

Technology and Operations

Management Unit

Reference Key: TOM Unit

Deadline: November 19, 2019

The Technology and Operations Management Unit of Harvard Business School seeks candidates for a full-time tenure-track Assistant Professor position starting July 2020.

Applicants should have research interests in new product development, economics and management of innovation, economics of information technology, digital transformation, applied AI, data science and analytics in business contexts, operations management in service, retailing, and manufacturing contexts, digital operations and analytics, or supply chain management. Applicants should have recently graduated with a PhD (forthcoming or in the last 3 years) with strong, demonstrated potential and interest to conduct research at the forefront of their field.

To be considered, applicants should submit a complete job packet by November 19, 2019 and should include a current curriculum vitae, job market paper, research statement, teaching statement and copies of other publications and working papers, and three letters of recommendation. All

Professional Opportunities

application materials should be uploaded by the closing date at <http://www.hbs.edu/research/faculty-recruiting/>

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

Harvard John A. Paulson School of Engineering & Applied Sciences

Lecturer in Computational Science and Data Science

The Harvard John A. Paulson School of Engineering and Applied Sciences seeks applicants for the position of Lecturer in Computational Science and Data Science in the Institute for Applied Computational Science (IACS) (<http://iacs.seas.harvard.edu>), with an expected start date of July 1, 2020. This is an annual (twelve month) academic appointment renewable for up to three years, depending on continuing curricular need and performance.

Duties include teaching three computational or data science courses per year, supervising and advising master's student projects, and conducting independent research in an area of the lecturer's choosing. In addition, the lecturer will be expected to participate in the planning and execution of community

events planned by the IACS. Candidates are required to have a doctoral degree in Computer Science, Applied Mathematics, Statistics, or a related field (physical science or social science with a focus on computational methods) by the expected start date. In addition, we seek candidates with programming skills in some programming language and a record of teaching at the undergraduate or graduate level.

Required documents include: a cover letter, including a description of teaching experience and philosophy and comments on any efforts to encourage diversity, inclusion, and belonging; a current CV; and course evaluations for all recently taught courses. Candidates are also required to submit the names and contact information for three to five references. Three letters of recommendation are required, and the application is considered complete only when at least three letters have been received. Applicants can apply using this link: <https://academicpositions.harvard.edu/postings/9228>. We encourage candidates to apply by December 15, 2019, but will continue to review applications until the position is filled.

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

Harvard University

Tenure track faculty position in Computer Science

The Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) seeks applicants for a position at the tenure-track level in Computer Science, with an expected start date of July 1, 2020.

We are accepting applications in all areas of Computer Science. Machine learning, natural language processing, systems, systems security, and algorithms are areas of special interest, but candidates in any area are invited to apply.

We seek candidates who have a strong research record and a commitment to undergraduate and graduate teaching and training. We particularly encourage applications from historically underrepresented groups, including women and minorities.

Computer Science at Harvard benefits from outstanding undergraduate and graduate students, world-leading faculty, an excellent location, significant industrial collaboration, and substantial support from SEAS. Information about Harvard's current faculty, research, and educational programs in computer science is available at <http://www.seas.harvard.edu/computer-science>.

The associated Institute for Applied Computational Science (<http://iacs.seas.harvard.edu>) and Data Science Initiative (<https://datascience.harvard.edu/>) foster connections among computer science, applied math, data science, and various

Professional Opportunities

domain sciences at Harvard through its graduate programs and events.

A doctorate or terminal degree in Computer Science or a related field is required by the expected start date.

Required application documents include a cover letter, CV, a statement of research interests, a teaching statement, and up to three representative papers. In addition, we ask for a statement describing efforts to encourage diversity, inclusion, and belonging, including past, current, and anticipated future contributions in these areas. Candidates are also required to submit the names and contact information for at least three and up to five references, and the application is complete only when three letters have been submitted. At least one letter must come from someone who has not served as the candidate's undergraduate, graduate, or postdoctoral advisor. We encourage candidates to apply by December 6, 2019, but will continue to review applications until the position is filled. Applicants can apply online at <http://academicpositions.harvard.edu/postings/9134>.

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

Illinois Institute of Technology

Tenure-Track/Tenured Positions In Computer Science

The Department of Computer Science at the Illinois Institute of Technology invites applications for multiple tenure-track/tenured faculty positions at all ranks, appointments to start in Fall 2020.

Applicants must have a Ph.D. in computer science or a closely related field, demonstrated excellence in research, a record of attracting external research funding appropriate to their rank, and a strong commitment to teaching. We seek outstanding candidates in all areas of computer science; candidates in cybersecurity, data science, artificial intelligence, parallel and distributed systems, and programming languages are especially encouraged to apply.

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

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

Review of applications will start on November 1, 2019; applications will be reviewed continually until all available positions are filled. Illinois Institute of Technology is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer committed to enhancing equity, inclusion and diversity within its community. It actively seeks applications from all individuals regardless of race, color, sex, marital status, religion, creed, national origin, disability, age, military or veteran status, sexual orientation, and/or gender identity and expression. All qualified applicants will receive equal consideration for employment. Applicants should apply online at <https://academicjobsonline.org/ajo/jobs/14362>.



Professional Opportunities



Assistant Professors in Computer Science Indiana University, Bloomington

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

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

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

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

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

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

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

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



Faculty Positions in Intelligent Systems Engineering Indiana University, Bloomington

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

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

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

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

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

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

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

Lehigh University

Open Rank Tenure-Track Positions

Applications are invited for tenure-track and tenured upon arrival positions in the Computer Science and Engineering Department (<http://www.cse.lehigh.edu>) of Lehigh University. Outstanding candidates in robotics, systems/security, and artificial intelligence/machine learning/data science are sought for faculty positions at the ranks commensurate with experience. In addition, exceptional candidates in

all areas of computer engineering and computer science will be considered. Successful applicants must hold a Ph.D. in Computer Science, Computer Engineering, or a closely related field or receive such degree prior to the official start of employment.

The CSE Department currently has six professors of practice and 16 tenure track professors who maintain outstanding international reputations in a variety of areas, including artificial intelligence, data science, robotics, and systems. The CSE faculty include several NSF CAREER award

winners, fellows of the ACM, IEEE, NAI, and the Humboldt Foundation, and former program officers of the National Science Foundation. Successful candidates will have the opportunity to collaborate with our faculty in ongoing research projects including those associated with Lehigh's interdisciplinary research institutes (<https://www.lehigh.edu/research/interdisciplinary-research-institutes/data-intelligent-systems-computation>). The University and the Rossin College of Engineering are planning for the significant growth of the CSE faculty over the next few years. That plan includes

Professional Opportunities

hiring several tenure track faculty members this year.

The Department offers Ph.D. and M.S. degrees in Computer Science. All of our B.S. programs are fully accredited, including the unique B.S. in Computer Science and Business program which is accredited both in computer science and in business. Our undergraduate, Masters, and Ph.D. programs are vibrant and growing, with current enrollments of approximately 350 undergraduate and 50 graduate students. We anticipate doubling the graduate student population in the next few years. The Department's offices, labs, and facilities are situated in the newly renovated "Building C" on the Lehigh Mountaintop Campus, which offers beautiful views of the surrounding area. The Building's facilities include three high bays, one of which will be renovated in the coming months to house the Lehigh Robotics labs.

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

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

Applications for the senior, tenured upon arrival position must be submitted online at <https://academicjobsonline.org/ajol/jobs/14479>. Junior tenure-track position applicants should apply at <https://academicjobsonline.org/ajol/jobs/14448>. Applications should include a cover letter, curriculum vitae, both teaching and research statements, a diversity statement, and contact information for at least three references. Review of applications will begin immediately. Interview invitations and job offers will be made on a rolling basis until all positions are filled.

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

Loyola University Maryland

Tenure Track Assistant Professor of Computer Science

Want to teach and do research in a vibrant liberal arts environment surrounded by motivated and passionate individuals? The department of Computer Science at Loyola University Maryland is looking for you. We are seeking an enthusiastic individual committed to excellent teaching and a continuing, productive research program. A Ph.D. in Computer Science, Computer Engineering, or a closely related field is required. Candidates in all areas of specialization will be considered, with priority given to candidates specializing in cyber security, algorithms, or a related area, and interested in directing curriculum in these areas at the undergraduate level.

Applicants must submit the following online (<http://careers.loyola.edu>): a letter of application listing teaching and research interests, a curriculum vitae, a faculty essay on teaching and research, and contact information for three references.

For full consideration applications must be received by November 15, 2019.

Macalester College

Tenure Track Position in Computer Science

Macalester College invites applications for a tenure-track Assistant Professor in Computer Science to begin Fall 2020. Candidates who have, or are completing,

Professional Opportunities

a Ph.D. in CS are preferred, but closely related fields may also be considered. They must have a strong commitment to both teaching and research in an undergraduate liberal arts environment. Areas of highest priority include mobile and ubiquitous computing, computer networks, algorithms and theory, programming languages, and data science. We encourage innovative pedagogy and curriculum, and are interested in candidates whose work spans disciplinary boundaries.

Macalester's *MSCS department* offers majors in Computer Science, Mathematics, and Applied Mathematics and Statistics, and minors in Computer Science, Mathematics, Statistics, and Data Science. MSCS is the largest department at the college with eleven Computer Science professors, seven of whom are tenure track. In AY 2017 - 18, 45% of graduating CS majors were women, 22% were US students of color, and 30% were international students.

Macalester College is a highly selective, private liberal arts college in the vibrant Minneapolis-Saint Paul metropolitan area, which has a population of approximately three million. It is nationally recognized for its thriving job market, beautiful park system, and active art scene. The College maintains a longstanding commitment to academic excellence with a special emphasis on internationalism, multiculturalism, and service to society. As an Equal Opportunity employer supportive of affirmative efforts to achieve diversity among its faculty, Macalester College strongly encourages applications from

women and members of underrepresented minority groups.

Applications require a cover letter, CV, transcripts, teaching and research statements, and three letters of recommendation. Details can be found at <https://www.macalester.edu/mscs/compscitenure-trackjob/>. Evaluation of applications will begin October 15th and continue until the position is filled.

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 July 1, 2020, 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 undergraduate and graduate levels, research, and supervision of student research. 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, 2019. 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, 2019.

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.



MAX PLANCK
GESELLSCHAFT



“Insight must
precede application.”

Max Planck

The Max Planck Society is seeking nominations for

MAX PLANCK DIRECTORS

We are looking for the strongest and most creative scientists worldwide. Core criteria for directorship are scientific and scholarly excellence, an innovative and visionary research program, and personal and intellectual leadership, rather than seniority.

Max Planck Directors enjoy complete scientific freedom. We offer an international and excellent research environment, outstanding infrastructure, and competitive long-term scientific funding.

McMaster University

Contractually Limited Appointment in Computing and Software

The Faculty of Engineering at McMaster University invites applications from outstanding scholars for one Contractually Limited Appointment (CLA) position at the rank of Assistant Professor in the Department of Computing and Software. The appointment will begin on July 1, 2020, or shortly thereafter. The duration of the contract is 3 years, with the potential for a subsequent 3-year renewal.

McMaster University is committed to building an inclusive community dedicated to teaching and learning within a diverse environment. The Faculty of Engineering seeks to attract an active, culturally and academically diverse faculty member of the highest caliber and welcomes applications from highly qualified candidates with skills and abilities that will contribute to the values of equity, diversity and inclusion in research, teaching, and the workplace.

The Department of Computing and Software is one of the top departments for computing in Canada. We have 25 faculty members with expertise in computer systems, software engineering, theoretical computer science, security, privacy, data analytics, scientific computing, and bioinformatics. The department mentors over 900 undergraduate students in three programs: software engineering, computer science, and mechatronics engineering. It also mentors more than 120 graduate

students in masters and doctoral programs in computer science and software engineering.

The Department seeks to recruit an excellent teacher with interest and experience in experiential learning and innovative ways of teaching computing. Successful candidates will be expected to:

- Teach introductory undergraduate Computer Science and Software Engineering courses.
- Contribute towards improving the delivery of the Department's undergraduate programs, e.g., by mentoring software engineering, computer science, and mechatronics engineering students and introducing new teaching techniques.
- Participate in the ongoing development of curricula for our Computer Science B.A.Sc. program, Software Engineering B.Eng. program, and Mechatronics Engineering B.Eng. program.

Registration or eligibility for registration by the Professional Engineers of Ontario will be considered an asset. Salary and rank are commensurate with experience and qualifications.

Applicants will hold a doctorate in computer science, software engineering, or a related discipline, and must demonstrate a successful record of teaching, reflected in outstanding teaching records. Evidence of leadership skills, excellence in service, and a demonstrated ability to work effectively with individuals from diverse communities and cultures is also required.

McMaster's large, attractive campus, the interior of which is open only to pedestrians and cyclists, is at the western end of Lake Ontario. The University is minutes from downtown Hamilton, a city rich in history and culture with a vibrant arts community. Nearby recreational and conservation attractions include Cootes Paradise, the Bruce Trail, the Niagara Escarpment, the Waterfront Trail, and the Royal Botanical Gardens. Surrounded by spectacular nature and unique neighborhoods, Hamilton is ideally located halfway between Toronto and Niagara Falls.

The Faculty of Engineering at McMaster University has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. It has earned a strong reputation as a centre for academic excellence and innovation. The Faculty has over 180 faculty members, along with approximately 5,000 undergraduate and 1,000 graduate students. The Faculty of Engineering promotes a nurturing and inclusive environment where supportive resources are made accessible to assist with on-boarding and opportunities are made available for continuous personal and professional growth.

In addition to competitive salaries, McMaster University provides one of the best benefits packages amongst Canadian universities, which includes supplementary medical and dental coverage, long term disability insurance and family-friendly supports such as a childcare allowance, and funded

Professional Opportunities

pregnancy/parental leaves. University policies include provisions for such leaves in annual merit evaluations.

Interested applicants should submit a letter of interest, curriculum vitae, a teaching dossier that includes a teaching philosophy, as well as evidence of teaching experience and effectiveness, along with the names of at least four references that speak to academic and teaching performance (with postal and email addresses). In your teaching statements, please also describe how you will further equity and inclusion to advance McMaster University's commitment to fostering a culture that embraces and promotes the rich diversity of our campus community. Some current examples of activities include diversity-related programming, contributions to student success, committee work, and appropriate mentoring of individuals, especially those from groups that have been historically marginalized or disadvantaged.

Complete applications must be made online at www.workingatmcmaster.ca/careers (Faculty Postings, Job #27713) to the attention of:

Dr. Mark Lawford, Professor & Acting Chair
Department of Computing and Software
1280 Main Street West
McMaster University,
Hamilton, ON Canada L8S 4L7

Complete applications that are received by November 1, 2019 will receive full consideration. Review of applications will continue until the position is filled. The effective date of appointment is

negotiable, but July 1, 2020 is preferred. All applicants will receive an on-line confirmation of receipt of their application; however, only short-listed applicants will be contacted for interviews.

All qualified candidates are encouraged to apply; however, Canadian and Permanent Residents will be given priority. If you require any form of accommodation throughout the recruitment and selection procedure, please contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247).

To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:

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

In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity. The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. The University seeks qualified candidates who share our commitment to equity, diversity, and inclusion. While all

qualified candidates are invited to apply, we particularly welcome applications from women, persons with disabilities, First Nations, Métis and Inuit peoples, members of visible minorities, and LGBTQ+ persons. Job applicants requiring accommodations to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) to communicate accommodation needs.

McMaster University

Teaching-Track Faculty Position in Computing and Software

The Faculty of Engineering at McMaster University invites applications from outstanding scholars for one teaching-track faculty position at the rank of Assistant Professor in the Department of Computing and Software. The appointment will begin on July 1, 2020, or shortly thereafter.

McMaster University is committed to building an inclusive community dedicated to teaching and learning within a diverse environment. The Faculty of Engineering seeks to attract an active, culturally and academically diverse faculty member of the highest caliber and welcomes applications from highly qualified candidates with skills and abilities that will contribute to the values of equity, diversity and inclusion in research, teaching, and the workplace.

The Department of Computing and Software is one of the top departments for computing in Canada. We have

Professional Opportunities

25 faculty members with expertise in computer systems, software engineering, theoretical computer science, security, privacy, data analytics, scientific computing, and bioinformatics. The department mentors over 900 undergraduate students in three programs: software engineering, computer science, and mechatronics engineering. It also mentors more than 120 graduate students in masters and doctoral programs in computer science and software engineering.

The Department seeks to recruit an excellent teacher with interest and experience in experiential learning and innovative ways of teaching computing. Successful candidates will be expected to:

- Teach introductory undergraduate courses in Computer Science and Software Engineering, as well as courses within the common first-year engineering program (Engineering I).
- Contribute towards improving the delivery of the Department's undergraduate programs, e.g., by mentoring software engineering, computer science, and mechatronics engineering students and introducing new teaching techniques.
- Participate in the ongoing development of curricula for our Computer Science B.A.Sc. program, Software Engineering B.Eng. program, Mechatronics Engineering B.Eng. program and Engineering I program.
- Develop a pedagogy-related research program in computing.

Registration, or eligibility for registration, by the Professional Engineers of Ontario is

required. Salary and rank are commensurate with experience and qualifications.

Applicants will hold a doctorate in computer science, software engineering, or a related discipline. Alternatively, applicants will hold a doctorate in education, with a focus on computing. Applicants must demonstrate a successful record of teaching, reflected in outstanding teaching records. Applicants are expected to have demonstrated successful pedagogical research, or to show potential for successful pedagogical research. Evidence of leadership skills, excellence in service, and a demonstrated ability to work effectively with individuals from diverse communities and cultures is also required.

McMaster's large, attractive campus, the interior of which is open only to pedestrians and cyclists, is at the western end of Lake Ontario. The University is minutes from downtown Hamilton, a city rich in history and culture with a vibrant arts community. Nearby recreational and conservation attractions include Cootes Paradise, the Bruce Trail, the Niagara Escarpment, the Waterfront Trail, and the Royal Botanical Gardens. Surrounded by spectacular nature and unique neighbourhoods, Hamilton is ideally located halfway between Toronto and Niagara Falls.

The Faculty of Engineering at McMaster University has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. It has earned a strong reputation as a centre

for academic excellence and innovation. The Faculty has over 180 faculty members, along with approximately 5,000 undergraduate and 1,000 graduate students. The Faculty of Engineering promotes a nurturing and inclusive environment where supportive resources are made accessible to assist with on-boarding and opportunities are made available for continuous personal and professional growth.

In addition to competitive salaries, McMaster University provides one of the best benefit packages amongst Canadian universities, which includes supplementary medical and dental coverage, a defined benefits pension plan, long term disability insurance and family-friendly supports such as a child care allowance, and funded pregnancy/parental leaves. University policies include provisions for such leaves in the tenure process and in annual merit evaluations. The Faculty of Engineering has additional supports in place, such as funding from the Engineering Life Event Fund, to help maintain continuity in scholarship during pregnancy/parental, medical, or family-related leaves.

Interested applicants should submit a letter of interest, curriculum vitae, a teaching dossier that includes a teaching philosophy, as well as evidence of teaching experience and effectiveness, along with the names of at least four references that speak to academic and teaching performance (with postal and email addresses). In your teaching statements, please also describe how you will further

Professional Opportunities

equity and inclusion to advance McMaster University's commitment to fostering a culture that embraces and promotes the rich diversity of our campus community. Some current examples of activities include diversity-related programming, contributions to student success, committee work, and appropriate mentoring of individuals, especially those from groups that have been historically marginalized or disadvantaged.

Complete applications must be made online at www.workingatmcmaster.ca/careers (Faculty Postings, Job #27712) to the attention of:

Dr. Mark Lawford, Professor & Acting Chair
Department of Computing and Software
1280 Main Street West
McMaster University,
Hamilton, ON Canada L8S 4L7

Complete applications that are received by November 1, 2019 will receive full consideration. Review of applications will continue until the position is filled. The effective date of appointment is negotiable, but July 1, 2020 is preferred. All applicants will receive an on-line confirmation of receipt of their application; however, only short-listed applicants will be contacted for interviews.

All qualified candidates are encouraged to apply; however, Canadian and Permanent Residents will be given priority. If you require any form of accommodation throughout the recruitment and selection procedure, please contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247).

To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:

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

In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity. The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. The University seeks qualified candidates who share our commitment to equity, diversity, and inclusion. While all qualified candidates are invited to apply, we particularly welcome applications from women, persons with disabilities, First Nations, Métis and Inuit peoples, members of visible minorities, and LGBTQ+ persons. Job applicants requiring accommodations to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) to communicate accommodation needs.

Michigan State University

Machine Learning Algorithms and Applications Faculty

The Department of Computational Mathematics, Science and Engineering (CMSE), in partnership with the Departments of Biomedical Engineering, Computer Science and Engineering, and Electrical and Computer Engineering at Michigan State University invite applications for a tenure-system faculty position in the broad area of machine learning with a start date of August 16, 2020. This position would be a joint appointment between CMSE and one of the partner departments listed above. Candidates must have earned a PhD in computer science, applied or computational mathematics, applied statistics, or in a field of science or engineering but with substantial expertise in machine learning. The position will be filled at the assistant, associate or full professor level depending on the qualifications and record of the successful candidate. The candidate is expected to establish a sustainable research program, make significant scholarly contributions to their discipline, be an effective teacher and mentor of both undergraduate and graduate students, engage in institutional and professional service, and support MSU's diverse student population.

Exceptional candidates from all areas of machine learning will be considered, with a particular emphasis on areas pertaining to sequential data analysis, computer vision, generative models, reinforcement learning, and the theoretical foundations

Professional Opportunities

of machine learning. Candidates who focus on the development of new machine learning algorithms, as well as those who apply existing algorithms to novel problems in science and engineering, will be considered for this position. Domains of interest include (but are not limited to) biomedical imaging, single-cell genomics, inverse problems, autonomous driving, cybersecurity, computer graphics, natural language processing, and materials science. The ideal candidate should document high quality publications of research at premier peer-reviewed journals and conferences across machine learning and related application areas.

Michigan State University has made a bold new effort by launching the Department of Computational Mathematics, Science, and Engineering, recognizing that computational and data science is a fundamental area of research in the 21st century. The department seeks to create an interdisciplinary environment that fosters a new breed of researchers who will address emergent problems in science and engineering. The candidate's primary appointment will be in the Department of CMSE, and depending on their research interests will have a minority appointment in either the Department of Biomedical Engineering, Computer Science and Engineering, or Electrical and Computer Engineering.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately

470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>. Information about WorkLife at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>

Interested individuals should submit an application for this position through <http://careers.msu.edu> and refer to job #600895. Applicants must submit a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and contact information for at least three references. For full consideration, applications must be received by November 15, 2019. Nominations or questions are welcome by contacting the search committee chair, Professor Brian O'Shea, through email at oshea@msu.edu

MSU is an affirmative action, equal opportunity employer. MSU is committed to achieving excellence through cultural diversity. The university actively encourages applications or nominations of women, persons of color, veterans and persons with disabilities.

Missouri State University

Assistant Professor

The Computer Science Department at Missouri State University invites applications for a tenure-track Assistant

Professor position starting Spring or Fall 2020. A PhD in CS or closely related field is required (ABD will be considered). Applicants are invited from all areas of computer science, but candidates with experience in Software Engineering, Data Science, and VR/Games are highly encouraged to apply.

To learn more, visit <https://jobs.missouristate.edu/postings/46724>.

Employment will require a criminal background check at University expense.

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

Monash University

Research Fellow - Multimodal Interfaces and Behaviour Analytics

Human-Centred A.I. in Information Technology at Monash University in Melbourne announces an opening for an accomplished and creative PhD for a 3-year postdoctoral fellowship in multimodal interfaces and behavior analytics. The selected candidate will join a growing multidisciplinary group, with expertise in mobile and multimodal-multisensor interfaces, conversational and robotic interfaces, audio-visual processing, wearable and personalized interfaces, digital health and education, data analytics for predicting user cognition and health status, and human-centered A.I.

This position involves research on predicting user cognition and health/mental health status, based on analysis of different modalities (e.g., speech,

Professional Opportunities

movement) and biosensors, and using this information to develop adaptive interfaces. The ideal candidate would have a PhD with several years work experience and strong publications. He or she should be knowledgeable in human-centred interfaces, signal analysis and behavioral analytics, A.I. tools, and modeling of human behavior & communication.

Monash is Australia's largest university and IT faculty. We are growing rapidly in human-centered computing, AI, and digital health, and have strong programs in data science, machine learning, and basic computer science. Early in 2020, the Faculty in IT will move into the new Woodside building with expansive labs for human-centred prototyping and usability testing of emerging technologies. Melbourne currently is rated #2 city in the world for quality of life. The Human-Centred A.I. is directed by Dr. Sharon Oviatt, Professor and ACM Fellow in human-centered, mobile, and multimodal interfaces.

The position is full-time fixed-term for 3 years, with competitive salary and benefits (17% retirement fund, relocation/start-up package). Start date negotiable. We welcome females, couples, minority and international applicants. For enquiries, email Sharon.oviatt@monash.edu

To apply: Submit (1) cover letter, (2) current CV with publication list, (3) statement of research interests, (4) 3-5 references with email/phone contact, (5) three representative publications, (6) graduate transcripts. Application **deadline**

is Nov. 15th, but applications will be reviewed as they arrive.

To apply, see <http://careers.pageuppeople.com/513/cw/en/job/597765/research-fellow-multimodal-interfaces-and-behaviour-analytics>

Monash University

Multiple Faculty Openings in Human-Centered AI Group

Human-Centred AI in Information Technology at Monash University in Melbourne announces openings for accomplished and creative faculty at all levels. Selected candidates will join a growing group with expertise in human-centered interfaces and A.I. Applicants with expertise in explainable A.I., synergistic human-A.I. systems that augment human intelligence while minimizing bias, or that examine the impact of A.I.-infused technologies on human lives are especially encouraged to apply. Candidates will be expected to have strong skills in methodology (empirical/statistical, machine learning, HCI design and analysis), signal processing, linguistic analysis, or system architectures and software. We are especially interested in:

- Spoken and multimodal conversational interfaces
- Fusion-based multimodal-multi-sensor systems & multimodal machine learning
- Behavioral analytics and adaptive interfaces
- Brain-computer and physiological interfaces

Monash is Australia's largest university and IT faculty. We are growing rapidly in human-centered computing, AI, and digital health, and have strong programs in data science, machine learning, and basic computer science. Early in 2020, the Faculty in IT will move into the new Woodside building with expansive labs for human-centred prototyping and usability testing of emerging technologies. Melbourne currently is rated #2 city in the world for quality of life. The Human-Centred A.I. is directed by Dr. Sharon Oviatt, Professor and ACM Fellow in human-centered, mobile, and multimodal interfaces.

The positions are full-time continuing ones, with competitive salary and benefits (17% retirement fund, relocation/start-up package and reduced teaching). Start date negotiable. We welcome females, couples, minority and international applicants. For enquiries, email Sharon.oviatt@monash.edu

To apply: Submit (1) cover letter (indicating expertise area, planned research, and availability date); (2) current CV with publication list, (3) statement of research and teaching interests, (4) 3-5 references with email/phone contact, (5) three representative publications. Application deadline is Nov. 15th, but applications will be reviewed as they arrive.

To apply, <http://careers.pageuppeople.com/513/cw/en/job/579697/academic-opportunities-in-human-computer-interaction-fit>

Muhlenberg College

Assistant or Associate Professor of Computer Science

The Muhlenberg College Department of Mathematics and Computer Science seeks to fill a tenure-track position in computer science at the assistant or associate professor level to begin in the fall of 2020. A Ph.D. in Computer Science or a closely related field is required by August 2020 and all areas of specialty will be considered. As an equal opportunity employer, Muhlenberg College is committed to recruiting and retaining outstanding faculty and staff from racial and ethnic groups that have been traditionally underrepresented in higher education.

To apply please visit <https://tinyurl.com/muhlenbergcssearch2019>. A list of required application materials can be found in the preceding link.

Complete applications received by October 31, 2019 will receive full consideration.

Northeastern University

Assistant/Associate/Full Professor

The Khoury College of Computer Sciences invites applications for several tenure-track and tenured faculty positions, beginning in Fall 2020. Applicants at all ranks will be considered. Candidates will be considered from all areas in Computer Science. Candidates are expected to have or to develop an independently funded research program of international caliber

and to participate in undergraduate and graduate teaching.

Khoury College has a diverse tenure/tenure-track faculty of 65, and offers a broad array of research and educational opportunities to students. Since 2012, the college has hired 46 outstanding faculty members, and plans to continue this strategic growth in the coming years. Faculty research spans all areas of computing and is interdisciplinary across seven of Northeastern's colleges; 18 of the 65 faculty have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Nursing, Communication Sciences and Disorders, Physics, Political Science, Psychology, Philosophy and Religion, Business, Mathematics, and Law. Khoury faculty members are integral to Northeastern University's multidisciplinary institutes including the Network Science Institute and the Cybersecurity and Privacy Institute.

The college offers 3 undergraduate degrees (CS, Data Science and Cybersecurity); 7 MS degrees (CS, Health Informatics, Data Science, Cybersecurity, Game Science and Design, Artificial Intelligence, and Robotics) and 4 PhD degrees (CS, Network Science, Personalized Health Informatics, and Cybersecurity). Several of these are interdisciplinary degrees with other Colleges at Northeastern.

Khoury College is committed to broadening participation in CS to increase

diversity of thought and demographics. For undergraduates Khoury offers 36+ combined majors (CS+X) and has recently launched the Center for Inclusive Computing, which has the mission to broaden participation in undergraduate computing programs nationally. At the graduate level Khoury is now scaling its successful Align MS in CS program for people who did not study CS as an undergraduate. This includes building a consortium of universities in the U.S. to offer similar programs.

Khoury College has grown rapidly over the last five years in response to increased student demand at the BS, MS and PhD level and projects a continuation of this growth for the next few years. We invite you to join a fast-moving, ambitious college with an underlying mission that is best captured by the phrase "CS for Everyone."

Northeastern University is home to 27,000 full- and part-time students and to the nation's premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern's international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and scholarship is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation's top research universities. Khoury College has been a major participant in this initiative and will continue the efforts this year, with additional interdisciplinary searches ongoing in related areas. Northeastern University has seven

campuses located in Boston (the primary home of our tenure/tenure-track faculty), Seattle, San Francisco, San Jose, Charlotte, London, Vancouver and Toronto – As of January 2020, Khoury will be offering the MS in CS and the Align MS in CS at 6 of the 7 campuses. For more information about the College, please visit <https://www.khoury.northeastern.edu>. Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2019. However, applications will be accepted until the search is completed.

Additional information and instructions for submitting application materials may be found at the following web site: <https://www.northeastern.edu/hrm/careers/index.html>

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.

To learn more about Northeastern University's commitment and support of diversity and inclusion, please see www.northeastern.edu/diversity.

NYU Shanghai

Tenured/Tenure-track Positions in Computer Science

NYU Shanghai is currently inviting applications for two tenured/tenure-track positions at the rank of assistant, associate, or full professor in Computer Science. The first position is in theoretical computer science, with a special focus on cryptography and algorithms. The second position is open to all subfields of computer science including but not limited to systems, networking, graphics, artificial intelligence, machine learning, human-computer interaction, and visualization. Applicants should have a Ph.D. in computer science or a related field and have a strong track record in research in their subfields. An interest in teaching and university service is also desirable.

Applicants should submit a cover letter, curriculum vitae, a statement of research and teaching interests, and electronic copies of up to five relevant publications. To complete the online process, applicants will be prompted to enter the names and email addresses of at least three referees. Each referee will be contacted to upload a reference letter.

Terms of employment at NYU Shanghai are comparable to U.S. institutions with respect to research start-up funds and compensation, and they include housing subsidies and educational subsidies for children. Faculty may also spend time at NYU New York and other sites of the NYU Global Network, engaging in both research and teaching.

Review of applications will begin January 1 and will continue until the position is filled. Please visit our website at <http://shanghai.nyu.edu/en/about/work-here/open-positions-faculty> for instructions and other information on how to apply. To apply, follow this link <http://apply.interfolio.com/68669>. If you have any questions, please email the NYUSH NY Office of Faculty Recruitment at opiny.recruitment-group@nyu.edu.

About NYU Shanghai:

NYU Shanghai is the third degree-granting campus within New York University's global network. It is the first higher education joint venture in China authorized to grant degrees that are accredited in the U.S. as well as in China. All teaching is conducted in English. A research university with liberal arts and science at its core, it resides in one of the world's great cities with a vibrant intellectual community. NYU Shanghai recruits scholars of the highest caliber who are committed to NYU's global vision of transformative teaching and innovative research and who embody the global society in which we live.

NYU's global network includes degree-granting campuses in New York, Shanghai, and Abu Dhabi, complemented by eleven additional academic centers across five continents. Faculty and students circulate within the network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

Professional Opportunities

For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr.

New York University is an Equal Opportunity Employer. New York University is committed to a policy of equal treatment and opportunity in every aspect of its hiring and promotion process without regard to race, color, creed, religion, sex, pregnancy or childbirth (or related medical condition), sexual orientation, partnership status, gender and/or gender identity or expression, marital, parental or familial status, caregiver status, national origin, ethnicity, alienage or citizenship status, veteran or military status, age, disability, predisposing genetic characteristics, domestic violence victim status, unemployment status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Sustainability Statement

NYU aims to be among the greenest urban campuses in the country and carbon neutral by 2040. Learn more at nyu.edu/sustainability

Oberlin College

Assistant Professor of Computer Science, Open Area

The Computer Science Department at Oberlin College invites applications for a full-time, tenure-track faculty position

starting in the fall of 2020. We seek candidates with teaching and research interests in any area of Computer Science.

To be assured of consideration, all applications must be submitted by Dec. 2, 2019 to <https://academicjobsonline.org/>

A complete application will be comprised of 1) a Cover Letter describing your teaching, scholarship, mentorship, and service, highlighting how these support a diverse, equitable, and inclusive learning environment; 2) a Curriculum Vitae; 3) a Research Statement that includes how you will incorporate undergraduate students into your research program; 4) a Teaching statement that details your plan to reach a broad spectrum of learners; 5) Unofficial graduate transcripts; and 6) Letters of Reference from three recommenders*, at least one of which addresses teaching. *By having recommenders provide these letters you agree that we may contact them.

Questions about the position can be addressed to the Chair of Computer Science: Robert Geitz bob.geitz@oberlin.edu or 440-775-8386.

Olin College of Engineering

President

The Franklin W. Olin College of Engineering in Needham, Massachusetts seeks an accomplished leader as its second president.

In just 20 years, Olin has become known worldwide for reimagining STEM education and redefining students' potential for positive impact.

The next president will model Olin's commitment to catalyzing innovation in engineering education, collaborating with Olin's faculty, students and staff to advance the college's influential and critically important work into its third decade. The next president should have a passion for Olin's mission coupled with the experience, values and ability to promote, emulate and participate in a culture of teamwork at all levels throughout the institution. For more information, read a comprehensive leadership profile at www.wittkiewer.com or visit olin.edu/presidential-search.

Applications to OlinPresident@wittkiewer.com.

Olin College does not discriminate in admission, employment or other college-administered programs on the basis of race, color, citizenship status, national origin or ancestry, marital status, gender, sexual orientation, gender identity, age, religion, physical or mental disability, pregnancy or pregnancy related conditions, genetic information, membership in the Uniformed Services, veteran status or any other factor protected by applicable state or federal laws.

Portland State University

Assistant Professor

The Department of Computer Science at Portland State University invites applications for several Assistant Professor positions. Exceptional candidates will also be considered for appointment at the rank of Associate

Professional Opportunities

Professor. Candidates in all areas of Computer Science will be considered, with a preference for applicants who will enhance or complement our existing areas of research expertise (www.pdx.edu/computer-science/research-areas) and/or whose work is aligned with the strategic visions of the department (www.pdx.edu/computer-science/strategic-vision) or the Maseeh College (www.pdx.edu/cecs/strategic-vision). The expected start date for these positions is September 2020, but earlier or later dates can be negotiated.

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

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

Princeton University

Postdoctoral Research Associate in Systems, Privacy, Machine Learning, and Biomedical Data

Several faculty members (PI: Prof. Kai Li, co-PI: Prof. Olga Troyanskaya, and 4 other faculty members) in computer systems, machine learning, and biomedicine are looking for postdoctoral or more senior researchers to participate in a joint project to develop distributed learning systems that preserve privacy.

The initial application area is healthcare data. Individuals with the following credentials are encouraged to apply:

- A PhD degree in computer science, data/computational science, or related disciplinary field
- Experience or background in systems, privacy, machine learning, or biomedical areas
- Strong interests in developing open-source systems

Appointments are for one year with the possibility of renewal pending satisfactory performance and continued funding. These positions are subject to the University's background check policy.

Applicants must apply online at <https://www.princeton.edu/acad-positions/position/I3201> and include curriculum vitae and names and contact information for three references.

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

Purdue University

Assistant/Associate Professor of Computer Engineering

The School of Electrical and Computer Engineering at Purdue University is seeking applications for tenured or tenure-track positions at the Assistant or Associate Professor level in any

area of Computer Engineering. We are particularly interested in candidates in computer systems and computer security. All aspects of computer systems will be considered such as computer networks, mobile computing, operating systems, dependability, and embedded systems. Similarly, all aspects of computer security will be considered including data security and privacy, network security, software security, and systems security.

Successful candidates must hold a Ph.D. degree in Electrical and Computer Engineering, Computer Science, or a related discipline. They should demonstrate an excellent potential to build an independent research program at the forefront of their field, and to educate and mentor students. 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.

These positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Engineering. Purdue Engineering is pursuing significant new growth and initiatives in Computer & Information Systems Engineering within ECE. These are evidenced by recent strategic investments by the college, ECE, and external sponsors in centers such as C-BRIC, PurPL, and CRISP.

The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and

Professional Opportunities

highest-ranked engineering colleges in the nation (8th for graduate programs and 9th for undergraduate per US News and World Report, 2019) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Submit applications online here (<https://tinyurl.com/purdue-ecesytems2019>), including curriculum vitae, teaching and research plans, names of three references, and copies of the two most significant publications. For information/questions regarding applications, contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on September 16, 2019. Applications received after the date will continue to be reviewed until the positions are filled. A background check will be required for employment in this position.

Purdue is an ADVANCE institution <http://www.purdue.edu/advance-purdue/>.

Purdue University's School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests

or activities, and/or future goals to promote a climate that values diversity and inclusion.

Greater Lafayette, Indiana is home to Purdue University and is one of the fastest growing communities in the Midwest. Subaru of Indiana Automotive, Caterpillar, Corteva AgroScience, Rolls-Royce, GE Aviation, Schweitzer Engineering Laboratories, Wabash National, Saab Global Defense and Security Company, high tech firms and small businesses all call Greater Lafayette their home. The Purdue Research Foundation's flagship incubator, the Purdue Research Park, is the largest university-affiliated business incubation complex in the country, and Purdue Research Foundation operates one of the most comprehensive technology transfer programs among leading research universities in the United States. Conveniently located between Chicago and Indianapolis, Greater Lafayette is also near several other major metropolitan cities. Visit Lafayette-West Lafayette and Greater Lafayette Commerce are resources that highlight our great community.

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

Reed College

Tenure-Track Position in Computer Science

The Department of Computer Science at Reed College invites applications for a tenure-track faculty position, rank open, beginning in the fall of 2020. Applicants should have a Ph.D. in computer science by the time of the appointment and should be committed to excellence in their teaching and in their scholarship. Applicants from all areas of computer science are welcome to apply. The successful applicant will help teach the core computer science curriculum, in cooperation with their fellow faculty, and will develop one or more courses in their areas of expertise. The department is committed to giving all its students the opportunity to explore research topics in computer science and in its applications. The successful candidate will advise several year-long senior thesis projects that are required of all Reed students.

Reed is a distinguished liberal arts college with approximately 1400 students that offers a demanding academic program to bright and dedicated undergraduates. Applicants to the position are encouraged to contact Jim Fix (jimfix@reed.edu), the chair of the search committee, for further details about the position and the college's computer science program. Information about the position is also posted at <https://www.reed.edu/computer-science/faculty-search.html>.

Applicants should submit their applications electronically through the Interfolio service

Professional Opportunities

at <http://apply.interfolio.com/68455> and should include a cover letter, curriculum vitae, teaching statement, research statement, and three letters of recommendation. The cover letter should address how the applicant's teaching and scholarship are suited to the liberal arts college environment and how their teaching, scholarship, mentoring, community service, or other activities could support Reed's commitment to diversity and inclusion (see <https://www.reed.edu/diversity/>).

Though thorough review of applications will continue until the position is filled, applications submitted by October 26, 2019 are assured to get the fullest consideration. Reed College is an Equal Opportunity Employer and is committed to building an excellent diverse scholarly community. Members of underrepresented groups are especially encouraged to apply.

San Diego State University

Two Tenure-Track Assistant Professor Positions

The Department of Computer Science at SDSU seeks to hire two tenure-

track Assistant Professors starting Fall 2020. The candidates should have PhD degrees in Computer Science or closely related fields. One position is in computer systems and the other position is in software engineering (see <https://cs.sdsu.edu/sdsu-computer-science-department-two-tenure-track-assistant-professor-positions/>).

Questions about the position may be directed to COS-CS-Search@sdsu.edu. Top candidates in other areas will also be considered. We encourage candidates with a demonstrated commitment to research, teaching, and diversity to apply. This position may also be eligible for the SDSU Building on Inclusive Excellence (BIE) hiring program that creates additional faculty lines for candidates who meet two or more of the criteria listed in <https://diversity.sdsu.edu/inclusion/BIECriteria>. To be considered for one of these additional BIE hires, candidates should identify in their letter of application how they meet two or more of the criteria. SDSU is an equal opportunity/Title IX employer.

San José State University - San José, California

Position Availability

Subject to Budgetary Approval

Specialization: Computer/Software Engineering

Rank: Assistant/Associate Professor (Tenure-Track)

Job Opening ID (JOID): 25110

For a complete job description and to apply: <https://apply.interfolio.com/67145>

AA/EOE

Santa Clara University

Assistant Professor

The Department of Mathematics and Computer Science at Santa Clara University invites applications for a tenure-track assistant professor position in computer science. Our highest preference is for candidates with research interests in an area related to data science. The successful candidate 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 2020. Ph.D. or equivalent in computer science or a closely-related field required by September 2020.



Assistant or Associate Professor of Computer Science, Full-Time, Tenure-Track, School of Science

Department of Mathematics & Computer Science
Please apply online at: <https://apptrkr.com/1578388>

Professional Opportunities

The closing date for applications is December 1, 2019 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.

Santa Clara University

Tenure-Track Assistant Professors

The Department of Computer Science & Engineering at Santa Clara University invites applications for two tenure-track Assistant Professor positions starting in the 2020-2021 academic year. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specializations in software engineering, programming languages, HCI, machine learning, visualization (AR/VR), and database systems. However, Silicon Valley is an area of broad and ever-changing technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.

Santa Clara University (<https://www.scu.edu>) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and has been ranked first among all master's universities in the

West by U.S. News and World Report, Santa Clara University is now elevated to a new category in national rankings, "Doctoral/Professional Universities." Santa Clara University is California's oldest operating institution of higher-education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University's mission to 'fashion a more humane, just and sustainable world.'

SCU maintains small class sizes and promotes close faculty/student interaction. The University enrollment is approximately 5,500 undergraduate and 3,700 graduate students. The Department (<http://www.scu.edu/engineering/cse/>) offers B.S., M.S. and Ph.D. degrees, with 22 full-time faculty, and a strong pool of approximately 25 part-time adjunct faculty who instruct about 400 undergraduate majors, and about 500 part-time and full-time graduate (M.S. and Ph.D.) majors. The School of Engineering maintains strong ties to local industry.

Applicants must hold a doctorate in computer science, computer engineering, or in a closely related field; have demonstrated a strong potential for high-quality research in computing; and have a strong commitment and ability to teach at both the undergraduate and graduate levels. The full-time teaching load is nominally seven quarter-level courses per academic year (each quarter is 10 weeks excluding the final exams week), but a one course release is given to faculty actively involved in research and course

credit is also given for project, thesis, and laboratory supervision. Limited course buyout may be approved using external grant funds.

The proposed start date is September 1, 2020.

Applicants should submit detailed CVs, statements of research interests, statements of teaching interests, and names and contact information of three professional references. All materials should be submitted online at <https://jobs.scu.edu/postings/8936>.

Review of applications will begin upon receipt and complete application packets received by November 1, 2019 will receive full consideration. However, the search will remain open until the position is filled.

EEO / AA Policy:

Santa Clara University is an Equal Opportunity/Affirmative Action employer, committed to excellence through diversity and inclusion, and, in this spirit, particularly welcomes applications from women, persons of color, and members of historically underrepresented groups. All qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity or expression, age, status as a protected veteran, status as a qualified individual with a disability, or other protected category in accordance with applicable law. The University will provide reasonable accommodations to individuals with a disability.

Professional Opportunities

Santa Clara University annually collects information about campus crimes and other reportable incidents in accordance with the federal Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. To view the Santa Clara University report, please go to the Campus Safety Services website at <https://university-operations.scu.edu/campus-safety/crime-reporting>.

To request a paper copy please call Campus Safety at (408) 554-4441. The report includes the type of crime, venue, and number of occurrences.

Simon Fraser University

Tenure-track Faculty Positions

The School of Computing Science at Simon Fraser University invites applications for tenure-track faculty positions. The School has multiple openings and will consider applications at all ranks, including assistant, associate, and full professor. Excellent applicants in all areas of computer science will be considered. Applicants with research focus on computer security, artificial intelligence, and networks and systems are especially encouraged to apply.

Candidates are expected to demonstrate excellence in research. In addition, a record of (or in the case of junior candidates, a potential for) high-quality graduate student supervision and teaching at the undergraduate and graduate levels is expected. A Ph.D. in computer science or related area is required by the start of the appointment.

Candidates with a commitment to the advancement of women and other underrepresented groups in computer science will be given priority.

SFU is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has been consistently ranked among the top computer science departments in Canada and internationally. The School currently has 60 faculty members, 400 Ph.D. and M.Sc. students, and 2,000 undergraduate majors.

To apply, please submit your curriculum vitae, research and teaching statements, and the names and email addresses of at least three referees to our on-line application system at:

<http://www.sfu.ca/computing/about/job-opportunities.html>

Full consideration will be given to applications received by December 1, 2019. Applications received after this deadline may be reviewed as far as the positions are still open. The positions are subject to availability of funding and approval by the SFU Board of Governors. Any inquiries regarding this posting may be directed to cssec@sfu.ca.

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

Simon Fraser University is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, persons of aboriginal heritage,

persons with disabilities, and LGBTQ-identified persons.

Under the authority of the University Act personal information that is required by the University for academic appointment competitions will be collected. For further details see:

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

St. John's University

Assistant or Associate Professor of Computer Science

The Division of Computer Science, Mathematics and Science at St. John's University is seeking applications for two full-time, tenure-track appointments: 1.) Assistant or Associate Professor of Computer Science commencing January 1, 2020, and 2.) Assistant Professor of Computer Science, commencing September 1, 2020. Candidates must hold a Ph.D. in Computer Science. For both positions, we are particularly interested in candidates with specializations in Software Engineering, Computer Graphics and Game Development, Cloud Computing, or Parallel/Distributed Systems, and/or Cybersecurity. However, strong candidates will be seriously considered regardless of area of specialization.

St. John's is an Equal Opportunity Employer. For full position description and application details see below:

Position commencing January 2020:
<https://stjohnsedu.silkroad.com/>

[epostings/?fuseaction=app
jobinfo&jobid=218569&version=
1&source=cra](https://stjohnsedu.silkroad.com/epostings/?fuseaction=appjobinfo&jobid=218569&version=1&source=cra)

Position commencing September 2020:
[https://stjohnsedu.silkroad.com/
epostings/?fuseaction=app
jobinfo&jobid=218568&version
=1&source=cra](https://stjohnsedu.silkroad.com/epostings/?fuseaction=appjobinfo&jobid=218568&version=1&source=cra)

Stony Brook University

*Assistant/Associate/Full Professor,
Biomedical Informatics*

Required Qualifications

Ph.D. degree in Biomedical Informatics; or an M.D. degree with a fellowship or Masters in Biomedical Informatics; or a Ph.D. in Computer Science, Computer Engineering, or a related field with research experience in biomedical informatics. To be considered at the Associate Professor/Professor level, candidates must have active funded research programs in their areas of expertise.

Preferred Qualifications

Research experience in clinical informatics and translational informatics. Strong record of interdisciplinary collaborative research with a demonstrated ability to contribute to and lead team science efforts.

Responsibilities & Requirements

Candidates are expected to maintain competitive extramurally funded research programs and to teach at both graduate and undergraduate levels.

Special Notes

This is a tenure track position. FLSA Exempt position, not eligible for the overtime provisions of the FLSA. Internal and external search to occur simultaneously. Anticipated Start Date: As soon as possible. To qualify for an appointment as Associate Professor or Professor, the candidate must meet the School of Medicine's criteria for Appointment, Promotion and Tenure or the College of Engineering and Applied Sciences criteria on the following websites:

[https://medicine.stonybrookmedicine.
edu/facultysenate/committees/apt](https://medicine.stonybrookmedicine.edu/facultysenate/committees/apt)

[http://www.stonybrook.edu/commcms/
ceas/docs/Blue%20Book-Revision.pdf](http://www.stonybrook.edu/commcms/ceas/docs/Blue%20Book-Revision.pdf)

Pursuant to Executive Order 161, no State entity, as defined by the Executive Order, is permitted to ask, or mandate, in any form, that an applicant for employment provide his or her current compensation, or any prior compensation history, until such time as the applicant is extended a conditional offer of employment with compensation. If such information has been requested from you before such time, please contact the Governor's Office of Employee Relations at (518) 474-6988 or via email at info@goer.ny.gov.

Stony Brook University is 100% tobacco-free as of January 1, 2016. See our policy and learn more at stonybrook.edu/tobaccofree.

The selected candidate must successfully clear a background investigation.

Application Procedure

1. Complete the online Applicant Information Survey. Do not submit this survey to the department with your application. Any questions regarding the survey, please email oide@stonybrook.edu.
2. Submit a *State Employment Application*, a curriculum vitae, statement of research, teaching philosophy, names/ addresses of three or more professional references, and cover letter by clicking the red Apply button on this page. The Reference number is F-9760-19-08-F, please check the box next to "BMI (Biomedical Informatics)". Alternately, you may submit your application package to the departmental address.

Electronic submission is highly preferred.

APPLY

Tahsin Kurc, Ph.D.

Vice Chair

Department of Biomedical Informatics
Health Sciences Center, Level 3, Room 043
Stony Brook University
Stony Brook, NY 11794-8322

Campus Description

Stony Brook University, home to many highly ranked graduate research programs, is located 60 miles from New York City on Long Island's scenic North Shore. Our 1,100-acre campus is home to 24,000 undergraduate, graduate, and doctoral students and more than 13,500 faculty and staff. SBU is a comprehensive research-intensive university and a member of the prestigious Association of American Universities (AAU), which includes 34 public universities among its 62 members. SBU consists of 12 schools

Professional Opportunities

and colleges and a teaching hospital that provides state-of-the-art healthcare in the Long Island region. SBU also manages and performs joint research with Brookhaven National Laboratory, the only Department of Energy Laboratory in the Northeast, and shares doctoral programs with Cold Spring Harbor Laboratory, a world renowned molecular biology institute. Home to the Emerson String Quartet, the Pollock-Krasner House in East Hampton, New York, the Humanities Institute, and the Southampton Arts Program, and with endeavors that extend to the Turkana Basin Institute in Kenya and the Ranomafana National Park in Madagascar, SBU sustains an international reputation that cuts across the arts, humanities, social sciences, and natural sciences.

Official Job Title:
Assistant/Associate/Full Professor

REF#: F-9760-19-08-F

Campus: Health Sciences Center

Department: Biomedical Informatics

Salary: Commensurate with Experience

Posting Start Date: 09/10/2019

Posting End Date: 11/10/2019

Applications for this position must be received, as specified in the Application Procedure Section, no later than 5:00 PM Eastern Time on 11/10/2019, unless specifically noted otherwise in the Special Notes Section.

Stony Brook University/Research is an equal opportunity/affirmative action

employer. We encourage all to apply including individuals with disabilities and protected veterans. If you need a disability-related accommodation, please call the university human resource services department at (631) 632-6161 or the university hospital human resources department at (631) 444-4700. In accordance with the title ii crime awareness and security act, a copy of our crime statistics is available upon request by calling (631) 632-6350. It can also be viewed on-line at the university police website at <http://www.stonybrook.edu/police>

Job Category: Health Science and Medical Center Faculty

Posting Date: 09/10/2019

For a full position description or application procedures, visit:
www.stonybrook.edu/jobs
(Ref. # F-9760-19-08-F)

Syracuse University School of Information Studies

Four Open-Rank Non-Tenure-Track Teaching Professor Positions

Syracuse University's School of Information Studies (The iSchool, ischool.syr.edu) seeks experienced teaching professors to fill four open-rank non-tenure-track teaching professor positions to start in Spring 2020. Successful candidates will have a portfolio of high-quality instruction in an information-related field and be able to contribute to the development

and instruction of courses in our degree programs in information management and technology, data science and data analytics, library and information science (including school media) and information science and technology.

The successful candidates will join our "Faculty of One": a highly collegial environment that stresses interdisciplinary collaboration among our school's faculty and with other members of the university community and beyond. Our teaching often embodies a socio-technical approach, recognizing that important problems are not simply technical nor just about people, but rather require both social and technological insights. We seek applicants whose topic areas and teaching skills adopt this philosophy, and who can speak to overlapping areas within the school.

As a guiding principle for Teaching Professors, there will be an appropriate balance of emphasis on the two traditional areas of teaching and service: Teaching: Teaching Professors of any rank are expected to possess the requisite knowledge sufficient to teach at both the undergraduate and graduate levels in the classroom or laboratory, to meet with students, to prepare and grade assignments and examinations, to contribute to the design of syllabi and course offerings, and to develop pedagogy in the field. They may carry administrative duties and/or engage in training of other faculty. It also might include advising, supervising independent studies, serving on doctoral

Professional Opportunities

committees as appropriate, and planning extracurricular educational activities.

Service: All Teaching Professors are expected to provide service to the School and University, showing initiative and/or leadership. This may also involve “professional engagement” which includes contributions to the broader academic and local, national or international community.

We are particularly seeking applications from candidates whose interests are located in one or more of the following topical areas:

Data Security & Privacy
Networking & other infrastructure topics (cloud, wireless, virtualized systems, etc.)
Data Science
HCI & UX/UI
Library Science, archives and/or cultural preservation

Teaching Faculty have a typical allocation of four courses per semester, and mentor and advise students at all levels. Rank and experience level of these positions are open: we encourage applications from both junior and senior instructors with a record of teaching appropriate to the rank sought at time of application. A completed Master’s or higher degree in a relevant field of study is required. The School is committed to professional development for junior faculty, and provides excellent mentoring and support.

Members of groups traditionally underrepresented among teaching

faculty in higher education are especially encouraged to apply. We are interested in candidates who have the communication skills and cross-cultural abilities to be effective with diverse groups of students, colleagues and community members. Experience mentoring students from marginalized groups is particularly valued.

Applications—including 1) a cover letter outlining the applicant’s interests and qualifications and including the rank sought; 2) a current curriculum vitae; 3) short statements describing interests and accomplishments in teaching, and 4) names and contact information of at least three references—can be submitted at <http://www.sujobopps.com/postings/81459>

All applications will be held in strict confidence; we will seek references only from finalists. We are pleased to speak with interested applicants ahead of submitting materials. Screening of applications will continue until the positions are filled. Direct questions to Dr. Art Thomas, search committee chair, apthomas@syr.edu.

Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse workforce. Women, military veterans, individuals with disabilities, and members of other traditionally underrepresented groups are encouraged to apply.

Syracuse University School of Information Studies

Four Open-Rank Non-Tenure-Track Teaching Professor Positions

Syracuse University’s School of Information Studies (The iSchool, ischool.syr.edu) seeks experienced teaching professors to fill four open-rank non-tenure-track teaching professor positions to start in Spring 2020. Successful candidates will have a portfolio of high-quality instruction in an information-related field and be able to contribute to the development and instruction of courses in our degree programs in information management and technology, data science and data analytics, library and information science (including school media) and information science and technology.

The successful candidates will join our “Faculty of One”: a highly collegial environment that stresses interdisciplinary collaboration among our school’s faculty and with other members of the university community and beyond. Our teaching often embodies a socio-technical approach, recognizing that important problems are not simply technical nor just about people, but rather require both social and technological insights. We seek applicants whose topic areas and teaching skills adopt this philosophy, and who can speak to overlapping areas within the school.

As a guiding principle for Teaching Professors, there will be an appropriate

Professional Opportunities

balance of emphasis on the two traditional areas of teaching and service:

Teaching: Teaching Professors of any rank are expected to possess the requisite knowledge sufficient to teach at both the undergraduate and graduate levels in the classroom or laboratory, to meet with students, to prepare and grade assignments and examinations, to contribute to the design of syllabi and course offerings, and to develop pedagogy in the field. They may carry administrative duties and/or engage in training of other faculty. It also might include advising, supervising independent studies, serving on doctoral committees as appropriate, and planning extracurricular educational activities.

Service: All Teaching Professors are expected to provide service to the School and University, showing initiative and/or leadership. This may also involve “professional engagement” which includes contributions to the broader academic and local, national or international community.

We are particularly seeking applications from candidates whose interests are located in one or more of the following topical areas:

- Data Security & Privacy
- Networking & other infrastructure topics (cloud, wireless, virtualized systems, etc.)
- Data Science
- HCI & UX/UI
- Library Science, archives and/or cultural preservation

Teaching Faculty have a typical allocation of four courses per semester, and mentor and advise students at all levels. Rank and experience level of these positions are open: we encourage applications from both junior and senior instructors with a record of teaching appropriate to the rank sought at time of application. A completed Master’s or higher degree in a relevant field of study is required. The School is committed to professional development for junior faculty, and provides excellent mentoring and support.

Members of groups traditionally underrepresented among teaching faculty in higher education are especially encouraged to apply. We are interested in candidates who have the communication skills and cross-cultural abilities to be effective with diverse groups of students, colleagues and community members. Experience mentoring students from marginalized groups is particularly valued.

Applications—including 1) a cover letter outlining the applicant’s interests and qualifications and including the rank sought; 2) a current curriculum vitae; 3) short statements describing interests and accomplishments in teaching; and 4) names and contact information of at least three references—can be submitted at <http://www.sujobopps.com/postings/81459>

All applications will be held in strict confidence; we will seek references only from finalists. We are pleased to speak with interested applicants ahead of submitting materials. Screening of applications will

continue until the positions are filled. Direct questions to Dr. Art Thomas, search committee chair, apthomas@syr.edu.

Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse work force. Women, military veterans, individuals with disabilities, and members of other traditionally underrepresented groups are encouraged to apply.

PII13474040

Texas A&M Engineering

*Department of Computer Science and Engineering
Multiple Academic Professional Track Faculty Positions*

Job Posting Title

Academic Professional Track Faculty- Department of Computer Science and Engineering

Job Location

College Station, Texas

Job Description

The Department of Computer Science and Engineering at Texas A&M University invites applications for academic professional track faculty positions at the assistant lecturer, lecturer, senior lecturer, instructional assistant professor, instructional associate professor, instructional professor, associate professor of practice, professor of practice, visiting assistant professor, visiting

Professional Opportunities

associate professor, and visiting professor levels with teaching expertise in computer science or computer engineering. The successful applicants will teach primarily at the undergraduate level in support of the development of the undergraduate program; advise and mentor undergraduate students; participate in all aspects of the department's activities; and serve the profession. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs (engineering.tamu.edu/cse).

Applicants must have, at the minimum, an earned bachelor level degree and substantial experience for professor of practice level titles. Applicants must have a doctoral degree in a closely related engineering or science discipline for the visiting professor levels. Candidates for other academic professional track titles must have a masters or doctoral degree in a closely related engineering or science discipline.

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 14 departments in the College of Engineering. Academic professional track (APT) positions provide long-term career paths with opportunities for advancement. With an average time in service of eight years for our APT faculty, CSE prides itself on offering an engaging, collegial and collaborative culture in the area of teaching, curriculum development and service. We are committed to hiring outstanding teachers who can introduce new and innovative teaching pedagogies. The department

provides its nearly 1,100 undergraduate students with the highest quality of education in computer science and computer engineering. This commitment to instruction produces versatile students with the strong education and technical training allowing them to be competitive in the job market or prepared for advanced studies in graduate school.

Applicants should submit a cover letter, curriculum vitae, teaching statement, and a list of four references (including postal addresses, phone numbers and email addresses) by applying for this specific position at www.tamengineeringcareers.org. Full consideration will be given to applications received by December 15, 2019. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin spring 2020 or fall 2020.

Texas A&M University is committed to enriching the learning and working environment for all visitors, students, faculty, and staff by promoting a culture that embraces inclusion, diversity, equity, and accountability. Diverse perspectives, talents, and identities are vital to accomplishing our [mission](#) and living our [core values](#).

Equal Opportunity/Affirmative Action/Veterans/Disability Employer committed to diversity.

Department of Computer Science and Engineering

Department Contact: Kathy Waskom,
k-waskom@tamu.edu

Texas A&M University

Multiple Academic Professional Track Faculty Positions - CSE @ TAMU

The Department of Computer Science and Engineering at Texas A&M University invites applications for academic professional track faculty positions at the lecturer, instructional professor, professor of practice, and visiting professor levels with teaching expertise in computer science or computer engineering. The successful applicants will teach primarily at the undergraduate level in support of the development of the undergraduate program; advise and mentor undergraduate students; participate in all aspects of the department's activities; and serve the profession. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs (engineering.tamu.edu/cse).

Applicants must have, at the minimum, an earned bachelor level degree and substantial experience for professor of practice level titles. Applicants must have a doctoral degree in a closely related engineering or science discipline for the visiting professor levels. Candidates for other academic professional track titles must have a masters or doctoral degree in a closely related engineering or science discipline.

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 14 departments in

Professional Opportunities

the College of Engineering. Academic professional track (APT) positions provide long-term career paths with opportunities for advancement. With an average time in service of eight years for our APT faculty, CSE prides itself on offering an engaging, collegial and collaborative culture in the area of teaching, curriculum development and service. We are committed to hiring outstanding teachers who can introduce new and innovative teaching pedagogies. The department provides its nearly 1,100 undergraduate students with the highest quality of education in computer science and computer engineering. This commitment to instruction produces versatile students with the strong education and technical training allowing them to be competitive in the job market or prepared for advanced studies in graduate school.

Applicants should submit a cover letter, curriculum vitae, teaching statement, and a list of four references (including postal addresses, phone numbers and email addresses) by applying for this specific position at www.tamengineeringcareers.org.

Full consideration will be given to applications received by December 15, 2019. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin spring 2020 or fall 2020.

Texas A&M University is committed to enriching the learning and working environment for all visitors, students,

faculty, and staff by promoting a culture that embraces inclusion, diversity, equity, and accountability. Diverse perspectives, talents, and identities are vital to accomplishing our mission and living our core values.

Equal Opportunity/Affirmative Action/Veterans/Disability Employer committed to diversity.

Texas Christian University

Assistant Professor of Computer Science

The Department of Computer Science at Texas Christian University (TCU) invites applications for a tenure-track assistant professor position beginning Fall 2020. Applicants should have an earned Ph.D. in Computer Science or closely related field from an accredited institution by the start of the employment date.

Go to <https://computerscience.tcu.edu> for details of the position, instructions on how to apply, and information on the department and university. TCU has been selected by the Chronicle of Higher Education as one of the "Great Colleges to Work For" for the last eight years.

Review of applications will begin on October 1. To be assured of full consideration, applications must be received by November 15, 2019.

Texas State University

Lecturer or Senior Lecturer in Computer Science

Lecturer or Senior Lecturer in Computer Science TEXAS STATE UNIVERSITY. The Department of Computer Science invites applications for two Lecturer or Senior Lecturer positions to start on September 1, 2020. Consult the department's employment page at <https://cs.txstate.edu/employment/faculty> for additional information and to apply.

Texas State University, to the extent not in conflict with federal or state law, prohibits discrimination or harassment on the basis of race, color, national origin, age, sex, religion, disability, veterans' status, sexual orientation, gender identity or expression.

Employment with Texas State University is contingent upon the outcome of record checks and verifications including criminal history, driving records, education records, employment verifications, reference checks, and employment eligibility verifications. Texas State University is a tobacco-free campus. Smoking and the use of any tobacco product will not be allowed anywhere on Texas State property or in university owned or leased vehicles. Texas State University is a member of the Texas State University System. Texas State University is an EOE.

Professional Opportunities

TTI-Chicago

Research and Tenure-Track Faculty Positions

TTI-Chicago invites applications for the following faculty positions in computer science:

- endowed three-year research assistant professor
- tenure-track assistant professor
- full or associate (tenured) professor
- visiting professor

While we welcome applications from many areas of computer science, we will give preference to candidates working in the following areas:

- machine learning
- computer vision
- natural language processing and speech robotics
- computational biology
- algorithms and complexity theory

About TTI-Chicago

TTI-Chicago is a philanthropically endowed academic institute dedicated to fundamental research and graduate education in computer science. TTI-Chicago produces cutting-edge research (our faculty routinely publish their results at top conferences and are recognized with distinctions such as the Sloan Research Fellowships, NSF CAREER Awards, and Best Paper Awards) and offers world-class graduate education. At the same time, TTI-Chicago faculty

members enjoy a uniquely light teaching load, which helps them focus on their research. TTI-Chicago research assistant professor alumni have an excellent employment track record (<https://www.ttic.edu/faculty-alumni/>).

Located on the University of Chicago campus, TTI-Chicago has strong ties to the University. In addition to having access to TTI-Chicago's excellent computing infrastructure, faculty members have access to many of the University of Chicago's state-of-the-art facilities.

TTI-Chicago faculty members frequently collaborate with colleagues from leading academic institutions around the world. Moreover, TTI-Chicago supports travel and visitor hosting (through annual research funds for research and tenured faculty and start-up packages for tenure-track faculty).

TTI-Chicago's faculty and students enjoy the close proximity of a vibrant urban environment with flourishing culture, business, and entertainment scenes.

We invite candidates with an outstanding academic record and passion for computer science research to join our world-class team of 12 tenured/tenure-track faculty and 11 research faculty members.

Teaching Requirements

Tenure-track faculty teach one quarter per year. Research faculty have no teaching duties, but have the opportunity to teach and co-advise students.

TTI-Chicago/Simons-Berkeley Joint Program

Applicants for research assistant professor (RAP) positions in relevant areas are encouraged to simultaneously apply for the TTI-Chicago RAP program and the Simons-Berkeley Research Fellowship. This year, the Simons Institute is running three programs: "Probability, Geometry, and Computation in High Dimensions", "Theory of Reinforcement Learning", and "Satisfiability: Theory, Practice, and Beyond" (see <http://simons.berkeley.edu/programs/current> for details).

Applicants selected by TTI-Chicago will be offered an RAP position. Applicants selected by both institutions will be able to participate in a program at the Simons Institute before joining TTI-Chicago. Please note that applicants interested in the joint program must submit separate applications to TTI-Chicago and the Simons Institute.

Timeline

We will start reviewing applications on December 1, 2019, and will continue until the positions are filled.

Application Requirements

- cover letter
- curriculum vitae
- research statement
- teaching statement (optional for RAP applicants)
- names and contact information of at least three references

If interested in the joint program, please check the Simons Fellowship requirements (<https://simons.berkeley.edu/programs/>)

Professional Opportunities

fellows). Please note that the Simons Institute has a different deadline.

Where to Apply

<https://ttic.edu/facultyapplication>

Instead of submitting an application online, senior applicants may directly contact the Chief Academic Officer (avrim@ttic.edu) or faculty members in their areas.

Questions

recruiting@ttic.edu

TTI-Chicago is an equal opportunity employer.

Tufts University

Multiple Faculty Positions Open Department of Computer Science

The Department of Computer Science at Tufts University invites applications for the following faculty positions:

Assistant or Associate Professor (tenure-track) to begin in September 2020. We are especially interested in candidates with research in Security, Human-Data Interaction, or Theory. Exceptional candidates in other areas will be considered as well.

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.

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. Expertise in Security, Human-Data Interaction, or Theoretical Computer Science with a connection to other departmental priority areas is preferred.

TO APPLY: Please submit your application online through Interfolio at <https://apply.interfolio.com/66978>. Review of applications will begin December 15, 2019.

Assistant Teaching Professor (multiple positions) to begin in Spring or Fall 2020. Candidates may have expertise in any area of computer science or a closely related field including but not limited to Algorithms, Complexity, AI, Analytics, Machine Learning, Databases, Distributed Systems, Computational Biology, Hardware-Software Interfaces, Human-Computer Interaction, Robotics, Mobile Development, Natural Language Processing, Power Management, Programming Languages Security, Software Development, Systems, Visualization, and Web Infrastructure and Design.

These are full-time, non-tenure-track positions. Initial appointment terms will be for two years with the possibility of renewal contingent on annual performance review results.

QUALIFICATIONS: The ideal Assistant Teaching Professor 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/66990>. Review of applications will begin October 15, 2019.

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>.

UMKC School of Computing and Engineering

Assistant/Associate Teaching Professor (Non-Tenure-Track)

The Department of Computer Science and Electrical Engineering (CSEE) within the School of Computing and Engineering (SCE) at the University of Missouri-Kansas City (UMKC) is seeking applicants for two (2) non-tenure-track faculty positions in Computer Science at the Assistant/ Associate Teaching Professor level (starting in September 2019). For the non-tenure-track positions, all areas

Professional Opportunities

of Computer Science will be considered. Candidates must hold a Master's degree in Computer Science and demonstrate extensive experience in this field. Preference will be given to candidates with a Ph.D. The positions are full-time, 9-month appointments encompassing the academic year. The successful candidates will be expected to: (1) have a strong commitment to quality undergraduate computer science education; (2) teach courses in the undergraduate/graduate CSEE program; (3) maintain an outstanding record of educational and professional leadership; (4) engage in departmental, school, and/or university service activities appropriate to the position; and (5) advance the goals and strategic plan of SCE and UMKC. To apply online see position ID #31440 or #31441 on the UMKC online job posting page <http://info.umkc.edu/hr/careers/academic-positions/>. UMKC is an equal access, equal opportunity, affirmative action employer that is fully committed to achieving a diverse faculty and staff.

Contact: Interested candidates should apply online at the UMKC online job posting page <http://info.umkc.edu/hr/careers/academic-positions/>, scroll down and click on VIEW JOBS, then use the position number to search for the position you are interested in. Use position ID #31440 or #31441. You will need to register if a new user of E-Recruit - the sign in button is at the right on the View Jobs webpage. Include a cover letter highlighting qualifications, a curriculum vitae, a statement of teaching experience/philosophy, and contact information of three references. For additional

information contact Ms. Jane Vogl (vogl@umkc.edu), Assistant to the Dean, School of Computing and Engineering, subject: COMPUTER SCIENCE FAC SEARCH.

The University of Alabama in Huntsville

Assistant Professor (Tenure-Track)

The Department of Computer Science at The University of Alabama in Huntsville (UAH) invites applicants for a tenure-track faculty position at the Assistant Professor level beginning August 2020 to support the gaming and entertainment computing program.

A Ph.D. in computer science or a closely related area is required. The successful candidate will have a strong academic background and be able to secure and perform funded research in areas typical for publication in well-regarded academic conference and journal venues. In addition, the candidate should embrace the opportunity to provide undergraduate education.

The department has a strong commitment to excellence in teaching, research, and service; the candidate should have good communication skills, strong teaching potential, and research accomplishments.

UAH is located in an expanding, high-technology area, in close proximity to Cummings Research Park, the second-largest research park in the nation and the fourth largest in the world. Nearby are the NASA Marshall Space Flight Center, the Army's Redstone Arsenal, numerous

Fortune 500 and high tech companies. UAH also has an array of research centers, including information technology and cybersecurity. In short, collaborative research opportunities are abundant, and many well-educated and highly technically skilled people are in the area. There is also access to excellent public schools and inexpensive housing.

UAH has an enrollment of approximately 9,900 students. The Computer Science department offers BS, MS, and PhD degrees in Computer Science and contributes to interdisciplinary degrees. Faculty research interests are varied and include cybersecurity, mobile computing, data science, software engineering, visualization, graphics and game computing, multimedia, AI, image processing, pattern recognition, and distributed systems. Recent NSF figures indicate the university ranks 30th in the nation in overall federal research funding in computer science.

Interested parties must submit a detailed resume with references to info@cs.uah.edu or Chair, Search Committee, Department of Computer Science, The University of Alabama in Huntsville, Huntsville, AL 35899. Qualified female and minority candidates are encouraged to apply. Initial review of applicants will begin as they are received and continue until a suitable candidate is found.

The University of Alabama in Huntsville is an affirmative action/equal opportunity employer/minorities/females/veterans/disabled.

Please refer to log number: 20/21-549

University of California, Davis

Assistant Professor, Tenure-Track

We invite applications for a tenure-track Assistant Professor position beginning 07/01/2020. Requires a Ph.D. in Statistics or related field. All areas of statistics considered. Individuals specializing in statistical methods for large and complex or massive data are encouraged to apply. Preference is given to those specializing in machine learning and data science.

Application review begins 11/17/2019. See <https://statistics.ucdavis.edu/resources/employment> for information.

To apply, go to <https://recruit.ucdavis.edu/apply/JPF02944>

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status.

University of Central Florida (UCF)

Department of Electrical & Computer Engineering (ECE)

The department has openings for exceptional tenure-track faculty members, two in ECE plus another one in the areas of robotics for a multi-disciplinary cluster.

All emergent and traditional areas of ECE are considered. Of special interests are candidates in the following areas:

1) Learning and real-time decision making; 2) Secure hardware or secure cyber-physical systems; 3) High- performance computing and cloud computing; 4) AI and big data applications in ECE fields.

The multi-disciplinary cluster of Disability, Aging and Technology (DAT) has several open faculty positions at the entry level. The areas of interest include cooperative co-robotics and dynamics and control. The DAT cluster *seeks transdisciplinary engagement in research and education* to link health and wellness interventions with *technology applications so that effective and feasible health*, behavioral, and assistive technologies can be used with diverse populations. More details can be found at our cluster website <https://www.ucf.edu/faculty/cluster/disability-aging-technology/>.

UCF offers a competitive salary and start-up package as well as generous benefits. New faculty members have graduate student support and significantly reduced teaching loads during their first two years of tenure-track employment. All applicants must have a Ph.D. in an area appropriate to the ECE disciplines by the start of the appointment and a strong commitment to academic activities, including teaching, scholarly publications and sponsored research. Successful candidates will have an exceptional record of scholarly research and, at the senior levels, be highly recognized for their technical contributions and leadership in their areas of expertise.

ECE has strong educational programs, with over 400 graduate students and 1,200 undergraduates, and state-of-the-art facility, the Harris Engineering Center and Interdisciplinary Research Building. The department has competitive research programs funded by ARO, DARPA, Department of Defense, Department of Energy, Harris-L3T, Intel, Lockheed Martin, National Science Foundation, NASA, Siemens, and Texas Instruments as well as local high-tech start-ups.

UCF, located in Orlando, has over 68,000 students. ECE and UCF are at the center of Florida High Tech Corridor with an excellent industrial base in telecommunications, energy, computer systems, semiconductors, defense, space, lasers, simulation, software and the world-renowned entertainment/theme park industry. Exceptional weather, easy access to the seashore, one of the largest convention centers in the nation and an international airport that is among the world's best are just a few features that make the UCF/ Orlando area ideal.

UCF is an equal opportunity/ affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

Please send inquiries for ECE positions to facultysearch@ece.ucf.edu and facultycluster@ucf.edu for the DAT

cluster positions. To apply, please follow the instructions for the ECE positions and utilize the link for the DAT Cluster position.

ECE positions: Go to <https://jobs.ucf.edu>, search for position number 498157 to apply.

DAT Cluster position: <https://jobs.ucf.edu/en-us/job/498142/assistant-professor-disability-aging-and-technology>

University of Chicago

*Deputy to Editor-In-Chief (Editing Analyst)
CACM – Uchicago*

The job performs routine professional activities to support large scale editorial and/or publishing projects. With guidance from others, collaborates with authors to coordinate manuscript elements supplied by many departments, using existing procedures to solve problems that may arise.

Job Description: Working with the team, ACM, and computing community, and under direct supervision of the Editor in Chief: Administration and Support for Editorial process - Primary interface to authors and editors (worldwide) and the production team (NYC), manuscript tracking and processing. Tracks progress and identifies obstacles. Design and organize CACM Editorial board communication infrastructure, including mailing lists, shared documents, folders, reports. Involvement in Editorial Staffing and Organization - Design and implement metrics for CACM EB responsiveness; Monitor metrics, analysis, and if

appropriate propose improvements< Tracks progress and identifies obstacles. Maintain current CACM EB, working with co-chairs to onboard new members and gauge overall EB energy levels; Involvement in Strategic Partnerships, including International Partnerships and Customization - Perform strategic analyses of current and potential future activities to broaden CACM reach. Scope includes comparative benchmark studies, including information collection and analysis. Scope also includes plans, budgets, and staffing requirements< Scope may also include arranging meetings, developing agendas, and writing and presenting reports to inform CACM and ACM action;

Unit-preferred competencies:

1. Organized self-starter, able to work strategically and independently;
2. Effective bridge-builder, able to work across communities;
3. Literacy and passion for computing, computer science, and technology;
4. Interest in computing research and industry, and technology policy;

Preferred Qualifications:

Education:

1. Bachelor's degree;

Experience:

1. Experience in project management and working with cross-functional teams
2. Experience in social media management and promotion

Technical Knowledge or Skills

1. Online editorial process management tools, such as Manuscript Central;
2. Online collaboration tools

Required Documents

1. Resume
2. Cover letter
3. List of References

NOTE: When applying, all required documents MUST be uploaded under the Resume/CV section of the application.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination.

Apply at https://uchicago.wd5.myworkdayjobs.com/External/job/Hyde-Park-Campus/Editing-Analyst_JR0606

University of Chicago Harris School of Public Policy

*Tenure-track/Tenured Faculty -
Data Analytics*

The Harris School of Public Policy at the University of Chicago invites applications for tenure-track and tenured faculty positions in data analytics. The search is

Professional Opportunities

open with respect to rank and field, but we encourage applications from scholars with technical and applied interest in data-driven algorithms and policy. We are searching for those with particular machine learning skill sets, such as computer vision or natural language processing, or generalists whose focus is on statistical issues that arise in the use of predictive algorithms in policy settings. Ideal candidates have interest and experience in applications to complex data sets of social science interest. Applicants must expect to have completed a Ph.D. or equivalent terminal degree by July 30, 2020 in statistics, computer science, or a related discipline with strong training in core methods.

To apply for this position, candidates must submit their application through the University of Chicago's Interfolio academic job board at: apply.interfolio.com/68312. All candidates must submit a curriculum vitae and one writing sample with their application. Applicants for the level of assistant professor should also provide two letters of recommendation. Review of applications will begin on October 17, 2019. No applications will be accepted after May 15, 2020.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes

under the law. For additional information please see the University's Notice of Nondiscrimination.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-1032 or email equalopportunity@uchicago.edu with their request.

University of Colorado Boulder

Assistant Professor, Computational Linguistics

The Department of Linguistics at the University of Colorado Boulder seeks applications for an Assistant Professor tenure-track faculty position in Computational Linguistics beginning Fall 2020. Within Computational Linguistics we are particularly interested in candidates who use computational methods to address enduring questions in syntax, semantics and/or pragmatics, and other core areas of linguistics. This position will complement the strong, interdisciplinary cohort of Computational Linguistics faculty at CU and be affiliated with both our Center for Computational Language and Education Research (CLEAR), and our cross-college Professional MS in Computational Linguistics, Analytics, Search and Informatics (CLASIC). The successful candidate will also benefit from our interdisciplinary partnerships with the Institute of Cognitive Science.

For more information, please go to:

<https://jobs.colorado.edu/jobs/JobDetail/Assistant-Professor-Computational-Linguistics/20950>

The University of Delaware

Chair, Electrical and Computer Engineering

The University of Delaware seeks a dynamic and visionary leader of its Department of Electrical and Computer Engineering for a renewable, five-year term. The Department has active undergraduate and graduate programs and a diverse portfolio of research in the areas of computer engineering; nanoelectronics, electromagnetics and photonics; and signal processing, communications and controls. The Department is one of seven in the College of Engineering, which has the most active research programs among the seven Colleges at UD. UD is classified by the Carnegie Foundation for the Advancement of Teaching as having very high research activity.

The Department is one of seven in the College of Engineering, which has approximately 2400 undergraduate and almost 1000 graduate students in a wide variety of disciplinary and interdisciplinary degree programs. The College is among the largest, and has the most active research programs, at the University of Delaware (UD), a Land Grant, Sea Grant and Space Grant institution. UD is state-assisted but privately governed, and is classified by the Carnegie Foundation for

Professional Opportunities

the Advancement of Teaching as having very high research activity. The University currently enrolls approximately 19,000 undergraduates and 4,000 graduate students and plans on the order of 500 new faculty hires over the next approximately five years, along with significant planned growth in graduate programs and enrollment. The College of Engineering and the Department of Electrical and Computer Engineering are expected to be integral participants in this program growth.

Applicants should have a Ph.D. in electrical or computer engineering or a related field, a distinguished record of scholarship, a commitment to excellence in instruction at all levels, and sufficient experience to indicate the ability to work cooperatively and effectively with faculty, staff, and the administration. The chair should be a dynamic individual with a vision for the future to help the department enhance the quality of research and instruction and advance its reputation and visibility, as well as furthering ties with other departments at the university, and with external communities.

Applicants should submit a single PDF file including complete CV, statement of interest and experience at www.udel.edu/udjobs/. Questions may be addressed to the search committee chair, Professor Abraham Lenhoff, at lenhoff@udel.edu. Application materials should be received by September 20, 2019 to ensure full consideration. All possible discretion will be exercised to maintain the privacy of applicants through the search process.

Equal Employment Opportunity

The University of Delaware is an Equal Opportunity Employer. The University's Notice of Non-Discrimination can be found at <http://www.udel.edu/aboutus/legalnotices.html>.

University of Delaware

Assistant/Associate Professor Positions in Disaster Science

The University of Delaware (UD) (<http://www.udel.edu/>) invites applications from talented scholars pursuing interesting questions related to disasters, hazards, risk, and crisis. We are looking to fill multiple tenure-track/tenured positions in Disaster Science at Assistant or Associate Professor. Faculty will have a tenure-track/tenured home in either computer information science or civil and environmental engineering at the University of Delaware and join, as core faculty, the world-renowned Disaster Research Center (DRC).

Please visit <http://www.udel.edu/006165> for a full-length description of the position and to apply.

Review of applications will begin on September 10, 2019, and will continue until the position is filled.

The University of Delaware (UD) (<http://www.udel.edu/>) invites applications from talented scholars pursuing interesting questions related to disasters, hazards, risk, and crisis. We are looking to fill multiple tenure-track/tenured positions

in Disaster Science at Assistant or Associate Professor. Faculty will have a tenure-track/tenured home in either computer information science or civil and environmental engineering at the University of Delaware and join, as core faculty, the world-renowned Disaster Research Center (DRC).

Please visit <http://www.udel.edu/006165> for a full-length description of the position and to apply.

Review of applications will begin on September 10, 2019, and will continue until the position is filled.

University of Illinois at Urbana-Champaign

Assistant Professor Positions in Statistics and Data Science Department of Statistics

The Department of Statistics at the University of Illinois at Urbana-Champaign invites applications for tenure-track assistant professor positions in Statistics and Data Science (100% for 9 months). Areas of emphasis include statistical methods for data science, computational statistics, biological and health sciences, statistical machine learning, causal inference, graphical models and sampling and design for large-scale studies, but all areas of Statistics and Data Science are welcome. The anticipated starting date is August 16, 2020. Salary is competitive.

For additional information, visit <https://jobs.illinois.edu>. Deadline: November

Professional Opportunities

1, 2019. Questions about the position or application procedures may be directed to stat-search@illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer. Illinois is an EEO Employer/Vet/Disabled <http://go.illinois.edu/EEO>

University of Louisville

Assistant Professor Term (Computer Engineering and Computer Science) Position Description

The Department of Computer Engineering and Computer Science at the University of Louisville seeks candidates for a Term Assistant Professor position (non-tenure track) with a start date of January, 2020. Ideal candidates will have a Ph.D. in Computer Engineering and/or Computer Science (or a closely related field), a strong grasp of the fundamentals, outstanding communication skills, and a passion for making meaningful, positive contributions to the educational experience. Moreover, because this position emphasizes teaching, the ideal candidate should be comfortable teaching a broad range of Computer Science and Engineering courses. These subjects include but are not limited to C/C++, Java/ OOP, Data Structures, Cybersecurity, Embedded Systems, Databases and Operating Systems.

The Speed School of Engineering is home to eight departments, with an undergraduate enrollment of

approximately 2000; the university has an approximate undergraduate enrollment 17,500. The university also has a graduate enrollment of approximately 4,200, in keeping with its research one status. Located between Cincinnati, Indianapolis, and Nashville, Louisville is the state's major metropolitan area with a population of approximately 750,000.

Applications consist of a cover letter that indicates qualifications for the position (1 page), a statement of teaching experience and philosophy (3 pages max.), a current curriculum vitae, and a list of names and contact information for 3 references. Materials are to be submitted online. Review of applications will begin on September 30, 2019; applications will be accepted until the position is filled.

Equal Employment Opportunity

The University of Louisville is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, sex, age, color, national origin, ethnicity, creed, religion, disability, genetic information, sexual orientation, gender, gender identity and expression, marital status, pregnancy, or veteran status. If you are unable to use our online application process due to an impairment or disability, please contact the Employment team at employment@louisville.edu or 502.852.6258.

<https://www.higheredjobs.com/clickthru/redirect.cfm?JobCode=177093687>

University of Massachusetts Amherst

Assistant/Associate Professor- Information Retrieval (IR)

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst (UMass Amherst) invites applications for tenure-track faculty at the Associate and Assistant Professor levels in Information Retrieval (IR). Exceptional candidates at other ranks may be considered. Candidates are expected to build on and complement the internationally recognized strength in IR at UMass. The Center for Intelligent Information Retrieval has been an important part of the research that has led to search engines being one of the most-used information technologies in current mobile and desktop environments.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502754/assistantassociate-professorinformation-retrieval-ir>.

UMass is an Affirmative Action/Equal Opportunity employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected groups.

Professional Opportunities

University of Massachusetts Amherst

Assistant/Associate Professor-Software Engineering & Programming Languages

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for tenure-track faculty at the Associate and Assistant Professor levels whose research focuses on Software Engineering or Programming Languages, broadly construed, or related areas. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see: <http://careers.umass.edu/amherst/en-us/job/502777/assistantassociate-professorsoftware-engineering-programming-languages>.

UMass 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 and Computer Sciences (CICS) at the University of Massachusetts is looking for exceptional full-time and part-time teachers. We encourage applications from teachers

in any area of the information and computer sciences, but we currently have the strongest need for faculty who can teach security, software engineering, theory of computation, artificial intelligence, health informatics, and data science courses.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502752/ftpt-lecturersr-lecturer-information-computer-sciences>.

UMass is an Affirmative Action/Equal Opportunity 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 and Computer Sciences (CICS) at the University of Massachusetts Amherst is looking for exceptional PhD recipients who are interested in furthering their teaching experience as Teaching Fellows while maintaining research activity in preparation for a future faculty position. We encourage applications from recent PhD recipients as well as those expected to be conferred in the next year.

For a complete position announcement including minimum qualifications and

application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502750/teaching-fellow-lecturer-information-computer-science>.

UMass is an Affirmative Action/Equal Opportunity employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Assistant/Associate Professor-Data Science

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for multiple tenure-track faculty openings at the Associate and Assistant Professor levels in the broad area of Data Science. Exceptional candidates at other ranks may be considered. All areas of data science will be considered, including especially natural language processing, computer vision, machine learning, statistics, optimization, deep learning, reinforcement learning, game theory, fairness/accountability, systems for data science, theory for data science, as well as applications to computational economics, agriculture, ecology, education, biomedicine, images, and text.

For a complete position announcement including minimum qualifications and application instructions, please

Professional Opportunities

see <http://careers.umass.edu/amherst/en-us/job/502779/assistantassociate-professordata-science>.

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

University of Massachusetts Amherst

Assistant/Associate Professor-Theory

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for tenure-track faculty in Theoretical Computer Science at the Associate and Assistant Professor levels. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502778/assistantassociate-professortheory>.

UMass is an Affirmative Action/Equal Opportunity employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Miami

Faculty

The Department of Computer Science at the University of Miami invites applications for various level Professor positions. Candidates must possess a PhD in Computer Science or a closely related discipline. The positions require research and teaching expertise in Artificial Intelligence/Data Science, including areas such as Data Extraction, Data Visualization, Machine Learning, Cognitive Intelligence, and Intelligent Actuators. Faculty are expected to develop and maintain an internationally recognized research program, and teach at both the undergraduate and graduate levels. The department encourages innovative interdisciplinary work with other units in the university.

Applicants should submit five PDF documents:

1. A cover letter, including the names and contact information for at least of three references.
2. Curriculum vitae.
3. Research plan.
4. Teaching philosophy, with results of all teaching evaluations from the last two years.
5. Up to three representative papers (concatenated into a single PDF).

Submissions must be made online at <http://search.cs.miami.edu>

Review of applications will begin on the 1st September 2019, and will continue until the positions are filled.

Enquiries may be directed to search@cs.miami.edu

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, with special emphasis on candidates at the early stages of their careers. Qualifications include an outstanding academic record, an awarded or expected 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. We also have a targeted search for an endowed professorship in theoretical computer science (the Fischer Chair).

The University of Michigan is one of the world's leading research universities, consisting of highly ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts, with a commitment to interdisciplinary collaboration. CSE is a

Professional Opportunities

vibrant and innovative community, with over 70 world-class faculty members, over 300 graduate students, and a large and illustrious network of alumni. Ann Arbor is known as one of the best small cities in the nation. The University of Michigan has a strong dual-career assistance program.

We encourage candidates to apply as soon as possible. Positions remain open until filled and applications can be submitted throughout the year.

For more details on these positions and to apply, please visit <https://cse.engin.umich.edu/about/faculty-hiring/>

Michigan Engineering's vision is to be the world's preeminent college of engineering serving the common good. This global outlook, leadership focus, and service commitment permeate our culture. Our vision is supported by our mission and values that, together, provide the framework for all that we do. Information about our vision, mission, and values can be found at: <http://strategicvision.engin.umich.edu/>.

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

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

University of North Carolina at Charlotte

Assistant Professor, Department of Bioinformatics and Genomics

The Department of Bioinformatics and Genomics, within the College of Computing and Informatics at the University of North Carolina at Charlotte, invites applications for a tenure-track Assistant Professor. Applicants for this position must hold an earned Ph.D. in bioinformatics or a related discipline. The successful candidate will demonstrate excellence in research via a strong publication record, a record of or potential for extramural funding, and a commitment to mentoring and teaching at the graduate and undergraduate levels. The successful candidate is expected to develop and maintain an independent externally-funded research program. Applications that demonstrate experience with or an interest in promoting diversity through their research and teaching are especially encouraged.

The Bioinformatics and Genomics Department is a research-intensive unit with both a Ph.D. program in Bioinformatics and Computational Biology and a M.S. in Bioinformatics. Faculty in this Department support an undergraduate Bioinformatics Minor and Bioinformatics Concentrations within the Bachelor of Science and Bachelor of Arts degrees in Computer Science. The Department has excellent BSL-2 and

BSL-3 wet lab facilities, several high-performance computer clusters, and has dedicated space for postdoctoral fellows, graduate students, and staff. Visit <https://bioinformatics.uncc.edu> for more information.

Applications must be made electronically at <https://jobs.uncc.edu> (position #000043) and must include a cover letter, CV, contact information for at least three references, a statement of research interests (max 5 pages), a statement of teaching philosophy (max 2 pages), and PDFs of three publications. As an EOE/AA employer and an ADVANCE institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained, the University of North Carolina at Charlotte encourages applications from all underrepresented groups.

For additional information about the department, please visit our website at <https://bioinformatics.uncc.edu>. For questions about the position or the application, please contact Dr. Daniel Janies djanies@uncc.edu

University of North Carolina, Chapel Hill

Faculty Positions in Computational Medicine

The Computational Medicine Program (<http://www.med.unc.edu/compmed/>) and the College of Arts and Sciences at the University of North Carolina at Chapel Hill (UNC-CH) invite applicants

Professional Opportunities

for two tenure-track faculty positions. Appointments are expected to be made at the level of assistant professor, but exceptionally well-qualified candidates of higher rank will also be considered. The Computational Medicine Program is a newly established research initiative that seeks to apply modern computational approaches, including mathematical and statistical modeling, machine learning and network analysis, to address problems relevant to human health and disease. While the specific area(s) of study are flexible, candidates are expected to have interest and experience in applying methods from statistics, applied mathematics, and/or computer science to investigate mechanisms of human diseases, with the goal of impacting diagnosis and treatment. Each recruit will maintain a position and research space within the Computational Medicine Program at the UNC School of Medicine and also hold a full-time faculty appointment within the College of Arts and Sciences in one of the following departments: Computer Science (<https://cs.unc.edu/>), Statistics and Operations Research (<https://stat-or.unc.edu/>), or Mathematics (<https://math.unc.edu/>). The successful candidate will be expected to direct an independent research program supported by extramural funding and to participate in team science projects initiated through the Computational Medicine Program. The successful candidate will also participate in student mentoring and teaching at the undergraduate and graduate level through their home department. An excellent start-

up package and access to departmental and institutional facilities will be provided, including access to the exceptional computational resources (<https://its.unc.edu/research-computing/>) at UNC-CH.

Apply Here: <https://unc.peopleadmin.com/postings/167587>

University of Notre Dame

Data Science Faculty Position

The Department of Computer Science and Engineering at the University of Notre Dame invites applications for a senior faculty position (Associate Professor or Professor) in the area of data science. This faculty member will be expected to initiate and lead solo and collaborative research projects in data science in coordination with Notre Dame's Center for Network and Data Science (<http://licensa.nd.edu/>).

Applicants must submit a cover letter, CV, research statement, teaching statement, and contact information for three professional references to <http://apply.interfolio.com/66713>. Review of applications will begin on December 15, 2019, and remain open until the position is filled. The Department offers the Ph.D. degree and undergraduate Computer Science and Computer Engineering degrees. Faculty members are expected to excel in classroom teaching and to lead highly-visible research projects that attract substantial external funding. More information about the department can be found at: <http://cse.nd.edu/>.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Notre Dame

Tenure-Track Faculty Position

The Department of Computer Science and Engineering at the University of Notre Dame invites applications for a position to be filled at any rank (Assistant Professor, Associate Professor, or Professor) and open to any research area. Priority areas of research interest include the interface of biology and computer science (computational biology, bioinformatics, and related areas), robotics, and human-computer interaction.

Applicants must submit a cover letter, CV, research statement, teaching statement, and contact information for three professional references to <http://apply.interfolio.com/66715>. Review of applications will begin on December 15, 2019, and remain open until the position is filled.

The Department offers the Ph.D. degree and undergraduate Computer Science and Computer Engineering degrees. Faculty members are expected to excel in classroom teaching and to lead highly-visible research projects that attract substantial external funding. More information about the department can be found at: <http://cse.nd.edu/>.

The University is an Equal Opportunity and Affirmative Action employer; we strongly

Professional Opportunities

encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Notre Dame

Quantum Computing Faculty Position

The University of Notre Dame is expanding the scope of its quantum science and technology community to include quantum computing, and are looking for new faculty with appropriate expertise. These new faculty members and their students are expected to pioneer the development of novel quantum computing applications in chemistry, physics, and engineering, to create tools for increasing the efficiency of quantum computers, and to develop quantum algorithms and techniques to address new application areas such as data analytics. In addition, with the College of Science and the University's Center for Research Computing, the College of Engineering has established a partnership with the IBM Q Network, and is seeking new faculty who wish to collaborate in this quantum computing effort.

The Department of Computer Science and Engineering invites applications for tenure-track faculty positions at all ranks with expertise in quantum computing paradigms and applications. We seek to attract, develop, and retain excellent faculty members with strong records and future promise. The Department is interested in candidates who will contribute to the diversity and excellence of the University's academic community

through their research, teaching, and service, and especially take a leadership role in the University's initiatives in quantum computing.

The Department offers the Ph.D. degree and undergraduate Computer Science and Computer Engineering degrees. Faculty are expected to excel in classroom teaching and to lead highly-visible research projects that attract substantial external funding. More information about the department can be found at: <http://cse.nd.edu/>

Applicants must submit a CV, a teaching statement, a research statement, and contact information for three professional references at <https://apply.interfolio.com/65332>.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Notre Dame

Faculty Position in Computational Social Science

The Department of Computer Science and Engineering and the College of Arts and Letters at the University of Notre Dame invites applications for an open-rank faculty position in Computational Social Science. Candidates should possess an earned Ph.D. in computer science or in a social science field that makes

extensive use of computational methods in research. Home departments include Computer Science and Engineering, Sociology, Political Science, or other units in College of Arts and Letters with the opportunity for cross appointments with other colleges and departments. Applications at the ranks of Assistant Professor, Associate Professor, and Professor will be considered; exceptional candidates may be considered for appointment to a chaired professorship.

Notre Dame is supporting interdisciplinary efforts that integrate computer and data science with a variety of scholarly disciplines, including the social sciences, humanities, and creative arts. University-wide undergraduate minors in Computers and Digital Technologies and Data Science provide integrative opportunities across disciplines. This hire is intended to grow and, where appropriate, provide leadership and strategic direction to interdisciplinary research as well as foster growth in undergraduate opportunities.

Applicants must submit a cover letter, CV, research statement, teaching statement, and contact information for three professional references to <http://apply.interfolio.com/65475>. At later stages of the process, we may request a writing sample. Review of applications will begin on October 15th, 2019 and remain open until the position is filled. Questions may be directed to Professor Tim Weninger (tweninger@nd.edu).

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women,

Professional Opportunities

minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Rhode Island (URI)

Department of Electrical, Computer, and Biomedical Engineering

Tenure-Track Assistant Professor of Computer Engineering

Applications are invited for a tenure-track position in Computer Engineering at the rank of Assistant Professor beginning in Fall 2020. We are seeking candidates in computer engineering with expertise in security or privacy in cyber-physical systems, but outstanding candidates in all areas of Computer Engineering will be considered. This include but not limited to computer systems or architecture, networking, artificial intelligence, and embedded system designs.

The Department of Electrical, Computer and Biomedical Engineering at the University of Rhode Island offers programs leading to the BS, MS, and PhD degrees. The interdisciplinary nature of our Department will provide the new faculty member with opportunities to interact with a broad range of colleagues. Our new (opening Sept. 2019) 180,000+ square foot engineering building will provide an excellent environment for interdisciplinary research collaborations.

Required Qualifications

1. An earned doctorate in Computer

Engineering, Computer Science, Electrical Engineering, or closely related field at the time of appointment.

2. Demonstrated ability to teach at the undergraduate and/or graduate level.
3. Demonstrated record of scholarly achievement as evidenced by either publications, and/or presentation, or awards.
4. Demonstrated evidence working with diverse groups (not limited to race, ethnicity, and gender).
5. Demonstrated proficiency in written and oral communication skills.
6. Interested in working on security and privacy issues of cyber-physical systems.

Preferred Qualifications

1. Research in general areas of cyber-physical system security.
2. Research in core areas of computer engineering, such as computer systems, networking, artificial intelligence, and embedded system design.
3. Ability to teach computer engineering courses in both undergraduate and graduate level.

First consideration will be given to applications received by 12/31/2019. Second consideration may be given to applications received by 1/15/2020. Applicants should visit the department website <https://jobs.uri.edu/postings/6377> for detailed instructions on how to apply.

University of Richmond

Department of Mathematics and Computer Science

Assistant Professor of Computer Science

The University of Richmond invites applications for a tenure-track Assistant Professor position in Computer Science to begin August 2020.

For additional information and to apply, please visit: <https://richmond.csod.com/ats/careersite/JobDetails.aspx?site=1&id=1871>

University of 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

Professional Opportunities

undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

Applicants should submit their applications online at USC Careers: <https://usccareers.usc.edu/job/los-angeles/open-rank-professor-of-computer-science/1209/12581644>

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, 2019. 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 188 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$200 million annually. With 39 tenure-track, 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 Southern California

*Viterbi School of Engineering -
Department of Computer Science
Teaching Faculty Position
Los Angeles, CA*

The Department of Computer Science (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) seeks a candidate for a teaching position (Lecturer) to teach undergraduate and graduate courses. This is a full time, benefits eligible faculty position on the non-tenure track. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, persons from underrepresented minority groups, veterans, and individuals with

disabilities. In addition to its commitment to faculty diversity, the USC Viterbi School of Engineering is committed to enabling the success of dual career families and fosters a family-friendly environment.

Competitive candidates will have the training and experience necessary to teach effectively in a highly-ranked Computer Science department that advances undergraduate students through an accredited BS degree program and graduate students enrolled in MS and PhD programs. While we are interested in candidates with backgrounds in all areas of Computer Science, we are particularly interested in candidates with expertise in Algorithms, Artificial Intelligence, Machine Learning, Databases, Computer Games, Programming Languages, Networks/Systems, Software Engineering, Visualization, User Interfaces, and Data Science. Relevant industry experience is valued for candidates interested in teaching games-related courses.

This is primarily a teaching position; all candidates are expected to have a strong commitment to teaching. Lecturers spend the majority of time on teaching and teaching-related duties, with reduced obligation for research and University service. Qualified candidates should have a doctoral degree in Computer Science (or equivalent) by the date of appointment. Salary and benefits are competitive. We are interested in exceptional candidates at all levels. While we seek applications at the level of Lecturer, in exceptional cases, applicants with greater teaching experience may

Professional Opportunities

also be considered for a commensurate position (e.g., Senior Lecturer).

Applicants should submit their applications at USC Careers: <https://usccareers.usc.edu/job/los-angeles/open-rank-professor-of-computer-science-practice/I209/I2567313>

Applications must include a cover letter, a detailed curriculum vitae, a teaching statement, names of at least three professional references, at least two of whom must be familiar with, and able to comment on, the applicant's teaching experience and a succinct statement on fostering an environment of diversity and inclusion. Applicants may also include a research statement. Applications should be submitted by December 2, 2019.

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 188 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$200 million annually. With 39 tenure-track, 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 Texas at Arlington

Open Rank Faculty Position in Data Science

The Department of Mathematics at The University of Texas at Arlington invites applications for a tenure-stream faculty position, beginning September 1, 2020, in Data Science (broadly defined to include machine learning, Artificial Intelligence, Bayesian statistics, bio-statistics, etc.). The rank of the faculty position is open and commensurate with qualifications and experience of candidates. Candidates may be considered for appointment at the level of Assistant Professor, and exceptional candidates eligible for appointment at the rank of Associate Professor or Full Professor can also be considered. Applicants should have significant

research and scholarly accomplishments in the field. Demonstrated excellence in research, effective teaching and a strong potential for external funding are essential, and a demonstrated record of significant external funding is expected for senior faculty candidates. Successful candidates are expected to demonstrate a commitment to diversity and equity in education through their scholarship, teaching, and/or service. The salary and the start-up package will be competitive and commensurate with qualifications and experience. The minimum qualification is an earned Ph.D. in Mathematical Sciences, Statistics, or Computer Science. At least two years of experience beyond the Ph.D. is preferable. Duties will include teaching and mentoring undergraduate and graduate students, conducting scholarly research, writing grant proposals, interdepartmental collaboration, and department and university service. Successful candidates will be expected to have close collaborations with other faculty at UTA in the areas of data driven discovery and health and human conditions and contribute to the development of data science degree programs.

The full advertisement of this position is at www.uta.edu/math/careers/employment.

University of Texas at Arlington

Assistant Professor Position in Computational Neuroscience

The Department of Mathematics at The University of Texas at Arlington invites applications for a tenure-track Assistant Professor position, beginning September 1, 2020, in Computational Neuroscience (broadly defined to include data-driven modeling for brain research such as neural imaging, brain informatics, bio-inspired data science, mechanistic models, brain signal generation and propagation, brain disease modeling, etc.). Applicants should have significant research and scholarly accomplishments in the field. Demonstrated excellence in research, effective teaching and a strong potential for external funding are essential. Successful candidates are expected to demonstrate a commitment to diversity and equity in education through their scholarship, teaching, and/or service. The salary and the start-up package will be competitive and commensurate with qualifications and experience. The minimum qualification is an earned Ph.D. in Mathematical Sciences, Statistics, or Computer Science. At least two years of experience beyond the Ph.D. is preferable. Duties will include teaching and mentoring undergraduate and graduate students, conducting scholarly research, writing grant proposals, interdepartmental collaboration, and department and university service. Successful candidates will be expected to have close

collaborations with other faculty at UTA in the areas of data-driven discovery and health and human conditions.

The full advertisement of this position is at www.uta.edu/math/careers/employment.

University of Toronto

Associate Professor - Electrical and Computer Engineering

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for up to three full-time tenure-stream faculty appointment at the rank of Associate Professor. The appointments will commence on July 1, 2020, or shortly thereafter.

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 must 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 must have a demonstrated exceptional record of excellence in research and teaching. Excellence in research is evidenced primarily by sustained and impactful publications in leading journals or conferences in the field, distinguished awards and accolades, presentations at significant conferences and an established high profile in the field with strong endorsements by referees of high international standing. Evidence of excellence in teaching will be demonstrated by excellent 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 are 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 October 9, 2019, however, the position will remain open until December 2, 2019.

Professional Opportunities

As part of your online application, please include a cover letter, a curriculum vitae, a summary of your previous research and future research plans, up to three representative publications, 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 search2019@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 search2019@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 - Electrical and Computer Engineering

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for up to three full-time tenure-stream faculty appointments at the rank of Assistant Professor. The appointments will commence on July 1, 2020, or shortly thereafter.

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 must 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 must 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 are 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>.

Professional Opportunities

Review of applications will begin after October 9, 2019, however, the position will remain open until December 2, 2019.

As part of your online application, please include a cover letter, a curriculum vitae, a summary of your previous research and future research plans, up to three representative publications, 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 search2019@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 search2019@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, Teaching Stream - Electrical and Computer Engineering

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, 2020, or shortly thereafter.

Applicants must have a Ph.D. in Electrical and Computer Engineering, or a related field, at the time of appointment or soon after. The successful candidate will have demonstrated excellence in teaching and pedagogical inquiry, including in the development and delivery of undergraduate courses and

laboratories, curriculum development, 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 are 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 October 9, 2019, however, the position will remain open until December 2, 2019.

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

Professional Opportunities

plans and interests, sample course syllabi and materials, and teaching evaluations. Applicants must arrange for three letters of reference, including at least one primarily addressing the candidates teaching, to be sent directly by the referees (on letterhead, signed and scanned), by email to the ECE department at search2019@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 search2019@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 Tulsa

Assistant Professor of Computer Science

The Tandy School of Computer Science at The University of Tulsa (TU) is seeking candidates to fill two tenure-track positions at the Assistant Professor level. One of the positions is specifically designated for the area of Data Science. For the other position, applicants in the following areas are particularly encouraged to apply: artificial intelligence, cybersecurity, software engineering, bioinformatics, data science, and simulation. Applicants should possess a PhD in Computer Science or related field (or a quantitative field related to Data Science if applying for that position). Applicants must possess a strong record of research in their area of expertise and demonstrate clear potential for advancing the international recognition of TU in these fields. The Tandy School of Computer Science encourages collaborative and multi-disciplinary research, both at TU and in the broader scientific community. Applicants should also demonstrate a professional focus on education and pedagogy and commit to the development of a strong curricula

in Computer Science that meets industry needs and prepares students to lead efforts in further advancing this field.

The University of Tulsa is a private university with approximately 4,500 undergraduate and graduate students in the Colleges of Arts and Sciences, Business, Engineering and Natural Sciences, Health Sciences and Law. The Tandy School of Computer Science offers B.S., M.S. and Ph.D. programs in Computer Science.

Tulsa is located in northeast Oklahoma in "Green Country," a region of rolling hills, lakes and wooded landscapes. With a metropolitan population of approximately one million, the city offers cosmopolitan amenities while maintaining the livability of a small urban center. Tulsa offers diverse arts, entertainment, and recreation venues appealing to both young adults and families.

To apply, please send CV, teaching and research statements, and contact information for at least three references as a single PDF by e-mail to dsfacultysearch@utulsa.edu for the Data Science position or csfacultysearch@utulsa.edu for the other position. Applications will be reviewed upon receipt, and candidates are encouraged to submit their completed applications by November 15, 2019. The search will remain open until the position is filled. The University of Tulsa seeks to recruit and retain talented students, faculty and staff from diverse backgrounds. A goal of this search is to increase the diversity of faculty in the

Professional Opportunities

Tandy School of Computer Science, and we therefore welcome applications from underrepresented groups such as Women, Black/African American, Hispanic/Latino, American Indian or Alaskan Native. The University of Tulsa is an Equal Opportunity Employer-F/M/D/V.

University of Vermont

Lecturer in Computer Science

The College of Engineering and Mathematical Sciences at the University of Vermont (UVM) invites applications for a full-time non-tenure-track lecturer in Computer Science for a January 2020 start date. We seek a highly motivated candidate with strong-computer science education credentials who can teach a variety of required undergraduate courses including introductory and intermediate programming, with experience and interest in projects-based and active learning. Qualifications for this position include a minimum of an M.S. or similar degree level in computer science or a related field, and a demonstrated commitment to educating the next generation of computer scientists.

Prior experience teaching undergraduate-level computer science is highly desirable, as is prior experience or willingness to teach in hybrid or online formats. The successful candidate will be expected to teach a typical course load during each of two semesters per year. A modest amount of service and academic advising is also expected. The appointment period is nine months per year, but opportunities for

teaching additional summer courses may be available for additional compensation. UVM offers generous benefits packages, including health, dental, retirement contributions, and tuition remission.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other category legally protected by federal or state law. The University encourages applications from all individuals who will contribute to the diversity and excellence of the institution. Applicants should address how they will further this goal in their cover letter.

Applications must be submitted online at www.uvmjobs.com (position number 00022791). Applicants should provide a cover letter that highlights expertise and teaching experience, a diversity statement, a current CV, and the names of three references. A background check will be conducted on the final candidate. Evaluation of applications will begin Oct. 1, 2019, and continue until the position is filled. Please address any questions about this position, or the application process, to cssearch@cems.uvm.edu.

University of Waikato

*School of Computing and
Mathematical Sciences
Division of Health, Engineering,
Computing and Science*

We are seeking to appoint a Lecturer who will contribute to teaching, postgraduate supervision, administration and research. Applicants must have the ability to teach at all levels of study and in particular have broad and in-depth knowledge in the area of Cyber Security including Penetration Testing and Malware Analysis.

You will have demonstrated success in undergraduate teaching including the ability to lecture to large numbers and conduct small group tutorials effectively, along with the ability to contribute to the graduate and postgraduate teaching programmes and the ability to maintain an active high quality research programme. A PhD (or close to finishing at the time of application) in a relevant discipline area is required as is the ability in obtaining external research funding.

Current salary range for Lecturers is NZ\$75,514 to \$90,946 per year, depending on qualifications, skills and experience.

Applications should be made through the University's vacancy portal. Enquiries of an academic nature should be directed to the Chairperson of Department Professor David Bainbridge, email: david.bainbridge@waikato.ac.nz

Closing date: 9 October 2019 (NZ time)
Vacancy number: 390357

For more information and to apply, visit www.jobs.waikato.ac.nz

Professional Opportunities

VCU College of Engineering

Computer Science Faculty Openings

The Department of Computer Science of the College of Engineering (CoEgr) at Virginia Commonwealth University (VCU) has multiple faculty openings at all ranks. As part of a premier research university situated in Virginia's capital city, VCU's computer science department has bachelor's, master's, and doctoral programs and collaborates closely with many VCU schools and departments including numerous health care investigations with researchers on VCU's MCV campus. Additional information about the department's programs and faculty may be found at <http://www.egr.vcu.edu/departments/computer/>.

VCU is a Carnegie-classified very high research activity university and is one of the top 100 universities in the U.S. in federal R&D expenditures. The CoEgr is in an extensive growth stage. Since 2008 it has doubled the number of its faculty and is slated to open a state-of-the-art research facility in 2020. Embarked on rapid growth, the computer science department currently has 26 tenure-track, tenured and term faculty members.

Candidates should be qualified for an appointment based on excellence in publication, funding and graduate and undergraduate teaching. Well-qualified candidates in all areas of computer science will be considered, however, of special interest are faculty in software engineering and cybersecurity.

Required qualifications: Applicants must have a doctorate in computer science or software engineering, with relevant professional experience after receiving Ph.D. degree. Senior-level candidates must have a well-developed research portfolio with evidence of substantial external funding.

Application Process: Candidates should upload their application at <http://www.vcujobs.com> position F64800 a single pdf file in the «other document» section 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 the short-listed candidates. Only complete applications that meet the required qualifications will be considered.

Review of applications will start November 18, 2019, and will continue until filled.

For additional information, please contact Chair of the faculty search committee, Prof. Lukasz Kurgan, email: lkurgan@vcu.edu or phone: (804) 827-3986.

EEO/AA Policy Virginia Commonwealth University is an equal opportunity, affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

Villanova University

Assistant Professor

The Department of Computing Sciences at Villanova University seeks applicants for a tenure track position in Computer Science at the rank of Assistant Professor. The appointment will be effective in Fall 2020. Review of applications is ongoing and will continue until the position is filled. Potential candidates should have a Ph.D. or other terminal degree in computer science or a closely related field from an accredited institution.

The Department is committed to both scholarly research and teaching. Among its faculty members are internationally renowned scholars in theory of computation, virtual reality, algorithms, and digital libraries. The Department also features a robust research initiative in machine learning, including deep learning. Its faculty members collaborate closely with the Center of Excellence in Enterprise Technology, which uses a large CAVE for research in virtual reality.

Candidates for the position should demonstrate how they will maintain an active research agenda leading to high quality publications. They should also provide evidence of commitment to effective teaching at the undergraduate and graduate levels. Strong candidates from all areas will be considered. Applicants with background in cybersecurity or data science are urged to apply. The Department encourages and supports faculty members interested in interdisciplinary teaching and research.

Professional Opportunities

The Department is a member of the NCWIT Academic Alliance and is one of its original Pacesetter organizations. As it grows a culture of inclusivity, the Department collaborates closely with the McNulty Institute for Women's Leadership; the Office of Diversity, Equity and Inclusion; and the VISIBLE program, which is supported by an NSF ADVANCE IT grant and is actively and successfully addressing diversity, equity and inclusion issues across faculty, staff, and students at all levels.

Applicants must apply online at <https://jobs.villanova.edu/17045>. The online application should include a letter indicating interests and suitability for the position, statement of research interests, statement of teaching philosophy, curriculum vitae, unofficial academic transcripts, and contact information for three references who will receive a secure link to upload a confidential letter of recommendation when you submit your application. Questions about the position can be directed to the search committee chair, Dr. Robert Beck at Robert.Beck@villanova.edu.

Villanova is a Catholic university sponsored by the Augustinian order. Diversity and inclusion have been and will continue to be an integral component of Villanova University's mission. The University is an Equal Opportunity/Affirmative Action employer and seeks candidates who understand, respect and can contribute to the University's mission and values.



FACULTY POSITIONS Department of Computer Science

The Department of Computer Science at Virginia Tech is growing rapidly. Thanks to substantial multi-year investments from the Commonwealth of Virginia combined with significant infrastructure investments by Virginia Tech, we anticipate hiring multiple faculty members at all ranks and in all areas for the next several years. The majority of new positions will be at our main campus in Blacksburg, VA. We also seek outstanding candidates for our program in Northern Virginia, which is rapidly expanding due to Virginia Tech's exciting new **Innovation Campus**, (vt.edu/innovationcampus) in Alexandria, VA, where computer science academic and research programs will play a central role.

We seek candidates at all ranks and in all areas of computer science. The positions offer competitive packages and resources to enable success. Candidates with core research interests in AI/ML, NLP, computer systems, human-computer interaction, cybersecurity, blockchain systems, high-performance computing, computational science, computational biology and bioinformatics, and quantum computing are especially encouraged to apply. Successful candidates will have the opportunity to leverage the department's highly-focused faculty development and mentoring program, as well as numerous successful collaborations with government, national labs, and industry partners.

Candidates for all positions must have a Ph.D. in computer science or a related field at the time of appointment and a rank-appropriate record of scholarship and collaboration in computing research. Successful candidates should give evidence of commitment to issues of diversity in the campus community. Virginia Tech is committed to building a culturally diverse faculty and strongly encourages applications from traditionally underrepresented communities. Tenured and tenure-track faculty will be expected to teach graduate and undergraduate courses, mentor graduate students, and develop a sustainable research group that is internationally recognized for excellence. The positions require occasional travel to professional meetings. Selected candidates must pass a criminal background check prior to employment.

The department currently has 52 faculty members, including 46 tenured or tenure-track faculty, 14 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. CS faculty also provide leadership in several interdisciplinary research centers, such as the **Center for Human-Computer Interaction**, (hci.vt.edu) and the **Discovery Analytics Center**, (dac.cs.vt.edu). The department is home to over 1,000 undergraduate majors and 300 graduate students, with university commitments to grow all programs significantly. The department is in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (*USN&WR*). Virginia Tech's main campus is located in Blacksburg, VA, in a region consistently ranked among the country's best places to live. Our growing program in Northern Virginia offers graduate education and research with one-of-a-kind proximity to government and industry partners.

Applications must be submitted online to jobs.vt.edu for position job 510994. Candidates with a clear campus preference (Blacksburg or Northern Virginia) should indicate this in their cover letter. Inquiries should be directed to Dr. Ali R. Butt, search committee chair, at facdev@cs.vt.edu.

*Virginia Tech is an equal opportunity/affirmative action institution.
A criminal background check is the condition of employment with Virginia Tech.*

Washington University in St. Louis

Faculty Position - Tenure Track

The Department of Computer Science & Engineering at Washington University in St. Louis seeks outstanding tenure-

track faculty to begin on or after July 1, 2020. Our department has been growing with plans to continue expanding in the coming years. We seek talented and highly motivated individuals who will build transformative research programs through work in the core

Professional Opportunities

disciplines of computer science and computer engineering, as well as through interdisciplinary collaborations. While exceptional candidates from all areas of computer science and engineering will be considered, we particularly welcome those who can help the department advance in two major fronts. The first front is data science approaches for solving critical social problems. The second front is security and privacy in cyber-physical and AI/ML systems with applications in areas such as healthcare, automation and transportation. Successful candidates should show exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates will be expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service. The usual teaching load is one course per semester.

Our faculty is engaged in a broad range of research activities. Key strategic themes include tight integration of computation with the human and physical worlds, the extraction of knowledge from massive data sets, and the design of safe, secure, and scalable computing systems. The impact of our work is magnified through interdisciplinary collaborations throughout the McKelvey School of Engineering, with colleagues in the sciences, arts, and humanities, and with our world-renowned Brown School of Social Work and the School of Medicine. In particular, the department recently initiated a new interdisciplinary Ph.D. program, jointly with the Brown School of Social Work and

the departments of Political Science and Psychological and Brain Sciences, aimed at training students to apply modern computational and statistical methods to problems in social science. Our doctoral graduates go on to leadership positions in both academia and industry. The department values both fundamental and applied research and has a strong tradition of successful technology transfer. Our faculty is known for its collegiality and for providing a supportive environment for new arrivals.

Washington University is a private university with roughly 7,000 full-time undergraduates and 7,000 graduate students. It is nationally known for the exceptional quality of its student body and for its attractive campus, which borders residential neighborhoods and one of the nation's largest urban parks. Many faculty walk or bike to work. St. Louis combines a Midwest cost of living with a vibrant metropolitan area, offering a wealth of cultural and entertainment opportunities.

Appointment is expected at the rank of Assistant Professor; however, exceptionally qualified applicants may be considered for appointments at the Associate or Full Professor level. Applicants must hold a doctorate in Computer Science, Computer Engineering, or a closely related field. Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and contact information for at least three references) through AcademicJobsOnline

at <https://academicjobsonline.org/ajol/jobs/14558>. Other communications may be directed to Prof. Roch Guérin, Department of Computer Science & Engineering, Campus Box 1045, Washington University in St. Louis, One Brookings Drive, St. Louis, MO 63130-4899.

Diversity and Inclusion are core values at Washington University, and the strong candidate will demonstrate the ability to create inclusive classrooms and environments in which a diverse array of students can learn and thrive.

Applications received by December 15, 2019, will receive full consideration. An Equal Opportunity-Affirmative Action Employer, Washington University seeks an exceptionally qualified and diverse faculty; women, minorities, protected veterans, and candidates with disabilities are strongly encouraged to apply.

Wellesley College

Computer Science - Tenure Track Professor Open Rank

Wellesley College invites applications for a tenure-track faculty in the Computer Science Department starting in July 2020. The position has a teaching load of two courses per semester, with the opportunity to develop new courses in the candidate's area of specialty and support for a vigorous program of research. Preference will be given to candidates with a Ph.D. in Computer Science.

View the full job description and apply [Here](#).

Professional Opportunities

Williams College

Tenure Track Faculty Position in Computer Science

The Department of Computer Science at Williams College invites applications for a tenure-track position at the rank of assistant professor beginning fall 2020. In an exceptional case, a more advanced appointment may be considered. The position has a three-year initial term and is open to all areas of computer science. We are especially interested in candidates with strong backgrounds in Machine Learning, Artificial Intelligence, Natural Language Processing, or Computer Graphics, but applicants from all areas are encouraged to apply.

New faculty will join thirteen 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 2020, 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 and how to apply, 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. Materials may be addressed to Professor Jeannie Albrecht, Chair, Department of Computer Science.

All applications received by December 1 will receive full consideration, and review of applications will continue until the position is filled. Please direct all correspondence to hiring@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. 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.

York University, Toronto, Canada

Department of Electrical Engineering and Computer Science, Lassonde School of Engineering

Applications are invited from qualified individuals for the following tenure-track positions:

Artificial Intelligence/Machine

Learning/Computer Vision: one or more of the following areas: artificial intelligence, machine learning, or computer vision

Computer Engineering: digital systems hardware areas such as: computer architecture; hardware for embedded, mobile, wearable or cyber-physical computing systems; hardware-software codesign; configurable and application-specific hardware; dependable and secure computing hardware; energy/reliability/security-aware VLSI systems; and computer-aided design, testing and verification of digital systems

Computer Security (2 positions):

areas such as OS security and malware analysis; software security; computer and network forensics; network security; penetration testing and ethical hacking; mobile security; cloud security; IoT security; user privacy; trust management; and cryptography

Software Engineering:

all areas within Software Engineering, with a preference for those with expertise in formal methods

Professional Opportunities

Teaching Stream (2 positions):

innovative areas of CS or CE education at the university level and/or demonstrated experience in curricular and pedagogical innovation in CS or CE education

Candidates will have a demonstrated track record of excellence, or promise of excellence, in academic teaching, scholarly research and professional achievement appropriate to the level of their appointment. All successful candidates for professorial stream appointments must be eligible for prompt appointment to the Faculty of Graduate Studies. Candidates for engineering appointments shall demonstrate commitment to the engineering profession by being licensed as a Professional Engineer in Ontario, or by becoming licensed soon after appointment.

For full position and application details, including background on the University and School, see <http://www.yorku.ca/acadjobs>.

Applicants should complete the on-line process at <http://lassonde.yorku.ca/faculty-recruitment/> ensuring that they provide all of the information required.

The deadline for applications for all positions is November 15, 2019.

Positions will commence **July 1, 2020**, subject to budgetary approval.