

COMPUTING RESEARCH NEWS



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

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CRN At-A-Glance

New from CRA: Database of Candidates for Academic and Industrial/Government Laboratory Positions

New from CRA: Database of Candidates for Academic and Industrial/Government Laboratory Positions

CRA has launched a new service intended to improve the recruiting process for academic and industrial/government laboratory research positions and increase their pool of job candidates.

See page 2 for full article.

Expanding the Pipeline: CRA-W Expands Research Mentoring at the 2018 Grace Hopper Celebration of Women in Computing

The 2018 Grace Hopper Celebration of Women in Computing (GHC) broke its attendance records again, with more than 20,000 participants gathering in Houston, Texas, from September 26th through September 28th, and CRA-W also broke its attendance records with a variety of programs for GHC attendees interested in research. From talks, panels, and mentoring circles to the CRA-W Research Scholars Program to poster presentations and sponsorship of other sessions, CRA-W played an important role at the conference.

See page 4 for full article.



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New from CRA: Database of Candidates for Academic and Industrial/Government Laboratory Positions



Job candidates can upload their resumes, research and teaching statements, job objectives and other preferences, and a link to a presentation video. Recruiting personnel with access to the database can search this job information and contact candidates.

The database can be accessed through <https://cra.org/cv-database/>. For further information, including an instructional video, visit: <https://cra.org/cv-database/#Info>.

Please strongly encourage your finishing Ph.D. students seeking academic or industrial/government laboratory research positions to post their applications to the database as soon as possible, before the start of the academic recruiting season.

All CRA academic members have recruiter access to the database. Additionally, industrial/government laboratory CRA member institutions that sponsor [CRA-W's Grad Cohort for Women 2019](#) at the silver level and above will receive access.

Department heads have received access information. The database is password protected and members may not provide access to non-subscribers.

Please note the database is new and currently has a low number of entries; however, it will continue to be populated as the recruiting season gets underway. We estimate that between November 15 and January 1, the database will include a large number of entries.

We believe your Ph.D. students, faculty, and industrial/government recruiting committees will find this employment service valuable. Please direct questions to cvdatabase@cra.org.

Midterm Election Impact: Mixed Results for Science and Research



By Brian Mosley, CRA Policy Analyst

The long, long awaited 2018 Midterm elections have come and (mostly) gone. As you've probably heard, the Democrats have gained control of the House of Representatives, while the Republicans have increased their majority in the Senate. But what does this mean for science here in Washington?

Details don't look great, as a fairly large number of experienced, science champions were ousted from their seats by voters. A few examples:

- Rep. Barbara Comstock (R-VA) has been a key member of the House Science Committee since she entered Congress in 2014, holding the chairmanship of the Subcommittee on Research and Technology. She had also taken up the issue of sexual harassment in the scientific research fields as a key issue.
- Rep. Dana Rohrabacher (R-CA) has been a 30-year member of the House Science Committee and he was expected to vie for the highest-ranking Republican on that body in the next Congress.
- Rep. Randy Hultgren (R-IL) has been advocating for science since he entered the legislature in 2010; longtime readers of the blog will recall that he sponsored the first "Deconstructing the iPad" event in 2011.
- Perhaps the biggest loss is Rep. John Culberson (R-TX). He has been the chair of the House Appropriations Subcommittee for Commerce, Justice, and Science, and has been a consistent champion of NASA and NSF (two agencies his subcommittee oversees). He has provided both with consistent funding levels through some very difficult budget seasons; his leadership will be difficult to replace.

There are other incumbents who we are waiting to hear final results. The most

significant is Senator Bill Nelson (D-FL), who is the ranking Democrat on the Senate Commerce Committee and has been a strong advocate for NASA. At the time of publication, Senator Nelson's is behind in the vote count but the race is headed towards a protracted legal battle; we're likely to not know the outcome for some time.

On the plus side, Eddie Bernice Johnson (D-TX) is expected to assume the chairmanship of the House Science, Space, and Technology Committee. A long serving member of Congress, and on the Science Committee specifically, Rep. Johnson is a big advocate for scientific research and STEM education. She released a [statement](#) outlining her agenda for the Science Committee in the next Congress and research is a big component.

Additionally, it looks like a [relatively large number of people](#) with science or engineering backgrounds have been elected to Congress. For example, Lauren Underwood (D-IL), who is a registered nurse and health policy expert, defeated Rep. Hultgren; in VA-02, the voters put into office Elaine Luria (D) who is a nuclear engineer; and in IL-06, voters elected Sean Casten (D), a biochemist. These are just a few examples; [314 Action](#) is a good place to see who else with a science background was elected. The hope is these members-elect will be able to bring their science and engineering expertise to the policy table.

In the more immediate term, how does the election impact funding levels for science research? Regular readers will recall that the funding bill for NSF, NIST, and NASA has [not been finished](#), and these agencies are on a continuing resolution until December 7th. It's unclear what impact the election will have. President Trump is declaring the election a victory and will probably use this as a pretext to push for more border wall funding, which Democrats will oppose. On the other hand, Democrats, who can claim their own victory by seizing the House, may want to punt these budgets to next year when they are in a partial majority and have a stronger negotiating position. We'll have to wait for things to play out more before we have a clearer idea of the outcome. Expect this uncertainty to last into December, possibly right up to the New Year.

And looking forward to next year, the outcome is even more unclear. Ultimately it will depend on how the President and the Republican Senate want to work with (or not work with) the Democratic House. If there is a sense that cooperation will serve everyone's purposes, things could be good; if there's a sense that conflict will serve best, things could get ugly quick. Keep in mind that the 2020 Presidential election is expected to begin the day after the midterms. Ultimately, science won't be a defining issue, but it will be impacted by how the conflict between the House and President/Senate plays out.

Expanding the Pipeline: CRA-W Expands Research Mentoring at the 2018 Grace Hopper Celebration of Women in Computing



CRA-W participants at the 2018 Grace Hopper Celebration of Women in Computing (GHC).

By A. J. Brush and Andrea Danyluk

The 2018 Grace Hopper Celebration of Women in Computing (GHC) broke its attendance records again, with more than 20,000 participants gathering in Houston, Texas, from September 26th through September 28th, and CRA-W also broke its attendance records with a variety of programs for GHC attendees interested in research. From talks, panels, and mentoring circles to the CRA-W Research Scholars Program to poster presentations and sponsorship of other sessions, CRA-W played an important role at the conference.

CRA-W's programming – organized by A. J. Brush and Andrea Danyluk – kicked off the morning of Wednesday, September 28th, with a mentoring event for more than 90 CRA-W GHC Research Scholars. Started in 2016, this NSF-funded program provides funding for research-interested undergraduate students to attend the conference and guidance for finding and navigating the research content at GHC. It also supports three events at the conference where scholars can interact with each other, as well as meet senior research mentors.



CRA-W Board Member Susan Rodger demonstrates passing parameters during the CRA-W session on effective teaching tactics.

Since 2017, CRA-W member Tracy Camp has organized a session jointly with ACM-W and NCWIT. This year, Camp, Catherine Ashcraft (NCWIT), Lucy Sanders (NCWIT), Jodi Tims (ACM-W), presented "Avoid Common Pitfalls and Make Your Diversity and Inclusion Efforts Count!" In this session, they presented programs, resources, and tips for making organizations' diversity and inclusion efforts most effective. The session was interactive, and attendees also shared challenges and successes, and brainstormed about collaboration ideas for new projects.

For CRA-W, Wednesday was a day of mentoring for graduate students, with talks on "It's a Marathon, Not a Sprint: Balancing Work and Life in Grad School and Beyond," presented by Lydia Tapia (University of New Mexico) and Hai Ah Nam (Los Alamos National Lab), "Building Your Academic Professional Network," by A. J. Brush (Microsoft) and James Mickens (Harvard University), and "Finding Your Dream Job with a Ph.D.," with panelists Victor Bahl (Microsoft), Kelly Shaw (University of Richmond), and Jess Smith (Pacific Northwest National Lab). It was also a day of mentoring for prospective graduate students: Dilma Da Silva (Texas A&M University) and Claudia Roberts (Princeton University) presented "I'm a Student Again: Heading to Graduate School

Expanding the Pipeline *(continued)*

After a Break.” This was a new topic for CRA-W, and it was met with very enthusiastic response.

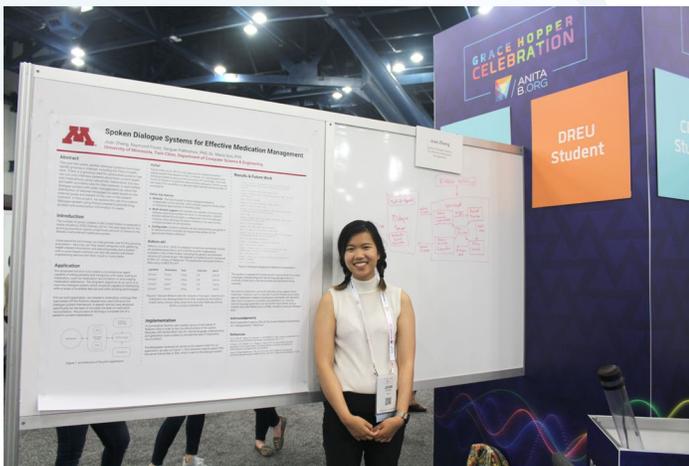
Wednesday’s focus on students didn’t end there. CRA-W hosted six tables at the Mentoring Circles session, providing small-group mentoring primarily for undergraduates. The tables’ topics were “How to Be Successful Post-Bachelor’s,” “Is Graduate School for You?,” “Master’s or Ph.D.?,” “How to Successfully Apply

to Graduate School,” “What is Computing Research? How Can Undergraduates Participate?,” and “Research Careers: What Are The Options? How Do I Get There?” In this two-and-a-half hour session, students could move from one mentoring circle to another every 20 minutes, to seek information and advice. CRA-W board members A. J. Brush and Andrea Danyluk recruited 12 experienced and knowledgeable mentors for the session, who generously volunteered to talk with students.

CRA-W’s talks and panels on Thursday, September 27th concentrated primarily on faculty, with talks on “Effective Teaching Tactics,” presented by Cynthia Lee (Stanford University) and Susan Rodger (Duke University), “Turning your Research into a Startup,” presented by YY Zhou (University of California San Diego and WhoVa) and Karina Edmonds (Google), and “Coping with Booming Class Enrollment,” presented by Tracy Camp (Colorado School of Mines) and Andrea Danyluk (Northeastern University and Williams College). A session for a broader audience was “Building Your Professional Persona,” presented by Soha Hassoun (Tufts University) and Ayanna

Howard (Georgia Tech). An important and timely session, “Conferences, Universities, and Companies are Work Places, Not Pickup Bars,” by Kristian Lum (Human Rights Data Analysis Group) and Kathryn McKinley (Google) was especially powerful.

CRA-W student researchers were also busy on Thursday. Twenty students who had participated in CRA-W’s two REU programs—Distributed Research Experience for Undergraduates and Collaborative Research Experience for Undergraduates—presented posters at a poster session that the CRA-W research scholars, among many other conference participants, attended. The students were excited for the opportunity to share their research and to learn from their peers.



Top photo: A DREU student presents her research at the poster session.

Bottom photo: CRA staff welcomes attendees to GHC 2018.



Expanding the Pipeline *(continued)*

The main CRA-W event on Friday, September 28th, was the closing mentoring session for CRA-W GHC Research Scholars. This event brought together students, speakers, and mentors for discussion, and many participants left the event and the conference with new networks, friends, and excitement for research.

Energetic CRA staff members Daniela Cardenas, Alejandra Guzman, and Erik Russell helped ensure the CRA-W booth at GHC 2018 was always staffed and that the programs ran smoothly.

CRA-W partners with AnitaB.org to offer career advice to hundreds of GHC attendees, as well as to help ensure these attendees are aware of other CRA-W programs. Many speakers for the CRA-W sessions were either current or former CRA-W board members. CRA-W's GHC 2018 programs would not have been possible without the additional support of many mentor volunteers.

Details on the CRA-W sessions at GHC 2018 are available here: <https://cra.org/cra-w/career-mentoring-workshops-at-grace-hopper/>.

About the Authors

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

Andrea Danyluk is the Mary A. and William Wirt Warren Professor of Computer Science at Williams College. She is currently on leave from Williams and serving as the Global Director of Align at Northeastern University. This is a Master's program in computer science for students who did not study CS as undergraduates. A significant goal of the program is to increase diversity in computing by reaching out to the full range of college educated individuals, some of whom might not have felt that CS was right for them as undergraduates.

CRA Board Member Highlight: Rachel Pottinger

By Rachel Pottinger



Rachel Pottinger

Increasingly, jobs rely on the ability to use computers to interpret, understand, and trust data. For example, my students and I have worked with ornithologists who cannot understand the representations of their bird sightings, civil engineers who cannot easily use their own building data, finance experts who cannot trace money between companies and their subsidiaries, and an XML document company whose clients cannot understand data that appears outside of their reports. In each case, the data users have been hampered because their data is exceedingly difficult to understand and trust, even though the users are experts in their fields. One reason for this difficulty is that the organization of the data is often designed

for computers, not for people (i.e., for storage, not accessibility). Another reason is that data often come from different sources, leaving users with the challenge of integrating data that they neither understand nor trust.

Lack of understanding and trust can cause problems both large and small. For example, the 2008 financial crisis was partially caused by the inability to track money across multiple sources (e.g., mutual funds are in a different database than savings accounts). Because it was impossible to understand and trust the data that was spread across various sources, regulators did not realize some of the problematic flows of money until after the crash. On a smaller scale, without being able to understand the data well enough to find the data needed in order to evaluate building design choices, it is impossible to easily explore building design alternatives, which leads to stifled innovation and less-efficient buildings.

The goal of my research is to help users understand, find, and trust the data that they need. To that end, my students and I are currently exploring a number of topics, including:

- Making sense of data that is stored in relational databases or XML is difficult. For example, if civil engineers are trying to extract information about where two pieces of a building intersect, they may need to find 10 different elements in a schema that contains thousands of options. Our project seeks to allow users to understand their schemas well enough to query them.
- In many cases when analysis is being performed, a user may have an aggregation query to which she knows what the correct answer should be for one case. Trying to determine why the answer that the user is getting is different from the one provided by the "Oracle" is a frustrating and error-prone process.

One of the hallmarks of my research is my focus on interdisciplinary research and working with real data. By doing so, I am ensuring that all of the research that I'm doing is relevant both to data management and to areas

Board Member Highlight *(continued)*

outside of computer science. In addition to publishing in top data management venues, I have worked with data from many different sources, which has resulted in publications in civil engineering and bioinformatics venues and a financial data workshop.

This interest in reaching out from core computer science to other disciplines has been a focus in all of the most meaningful areas of my career, including conducting interdisciplinary research, striving to increase diversity, creating a

computational thinking course for first year non-computer science majors, and defining undergraduate strategy in my role as an associate department head.

This perspective is why I am excited about being on the CRA board: computer science is at a crossroads. Our enrollments are increasing exponentially, but many people define computer science very narrowly. If we are not careful, we will lose the ability to shape how computer science research evolves outside of core computer science.

About the Author

Rachel Pottinger is the associate head of the undergraduate program and an associate professor in computer science at the University of British Columbia. She is also a board member of the Computing Research Association. She received her Ph.D. in computer science from the University of Washington in 2004. Her main research interest is data management, particularly semantic data integration, how to manage metadata, how to manage data that is currently not well supported by databases, and how to make data easier to understand and explore. She is the winner of the 2007 Anita Borg Institute's Denice Denton Emerging Leader award.

CRA Board Member Highlight: Barbara G. Ryder

By Barbara G. Ryder



Barbara G. Ryder

My computer science research career started during my college internship at Bell Laboratories in Murray Hill, New Jersey, during the early 1970s in the center that later produced UNIX and the portable C compiler. This experience taught me that computing was broader than the introduction to scientific programming in my undergraduate studies in applied math. (There was no computer science undergraduate major at the time.)

For most of my career, I was interested in deriving descriptions of program execution behaviors from code in order, for example, to optimize program time and/or

memory performance, to validate desirable properties such as correctness or data security, or to refactor code for ease of maintenance. Historically, static program analysis was developed for optimizing compilers, but over time, the term program analysis was broadened to include dynamic analysis, the deriving of program behaviors from execution traces, and blended program analysis, which combined static and dynamic analyses. Interestingly, in blended analysis we can obtain very accurate approximations of program behavior, but only for some executions. This has proved useful for analyzing dynamic programming languages such as JavaScript.

An essential task of program analysis is to trace the flow of data values through program paths, even those including method calls. My research has focused on developing accurate analysis algorithms to handle data flow through indirect accesses (i.e., pointers in C and C++ or reference fields in C++ and Java). Additionally, I have focused on techniques for more accurate interprocedural flow (i.e., tracing values through method calls, including virtual calls for object-oriented programs in Java or C++ or through function properties in JavaScript).

My research group was one of the first to design a usefully accurate interprocedural pointer analysis algorithm for C, in the early 1990s, and showed the basic intractability of multi-level interprocedural pointer analysis at POPL 1990. When the object-oriented languages Java and C++ became popular, programs were designed as sequences of calls to small methods, necessitating more accurate approximations of chains of method calls. My research group invented object-sensitive analysis, which used properties of the receiver object to label and match calls and returns in a program (OOPSLA 2001). This approach, still in use as the standard context-sensitive analysis, was demonstrated to yield more accurate interprocedural analyses than the previous call-site technique.

Board Member Highlight *(continued)*

My later work in the analysis of Java has concentrated on applications of program analysis to identify malware in software. By using accurate interprocedural analyses for Java, we designed approaches for anomaly detection to identify malware. Additional work has focused on combining program analysis with probabilistic techniques to locate malware packaged with benign code in mobile applications.

Most recently, I have worked with my student on a two-stage adaptive interprocedural analysis for JavaScript programs. The first stage extracts characteristic properties from functions after a cheap approximate points-to analysis; the second stage chooses a specialized context-sensitive analysis per function based on heuristics (ECOOP 2015).

Increasing Gender Diversity

Increasing diversity in computing has been my passion throughout my career, mostly through my informal mentoring of female CS students at Rutgers and Virginia Tech, participating in CRA-W mentoring workshops, and leading efforts in CS at Virginia Tech College of Engineering to join with NCWIT to increase the gender diversity of our CS students. As head of the Department of Computer Science at Virginia Tech (2008-2015), I encouraged and led activities that resulted in our growth from 4.2% female CS majors in 2007 to 16.7% CS majors in fall 2015 and 18% in fall 2018. The 2-year average percentage of female CS graduates almost doubled between 2007 and 2011. We also achieved comparable retention rates for males (94.2%) and females (93.5%) in 2014-15, which continues today. Additionally, we grew the number of female CS minors at Virginia Tech from 13 (17.6% of 74 in 2012) to 58 (26% of 223 in 2015).

How did we accomplish these gains? It was an all-hands effort by our department faculty, who reported diversity activities as part of their annual review. Our departmental diversity committee compiled a list of activities ranging from “light

effort” (e.g., attending a luncheon with students at the College of Engineering women’s dorm) to “heavy commitment” (e.g., serving as advisor to a co-curricular group focusing on diversity such as our Association for Women in Computing [AWC] grad and undergrad women’s club). We partnered with NCWIT in its Pacesetters program which brought together academics and practitioners to exchange best practices in recruiting and retaining women in computing. We were founding partners and

“Increasing diversity in computing has been my passion throughout my career”

leaders of the NCWIT Virginia Aspirations in Computing Awards for high school women, and organized the annual awards ceremony. We conducted outreach to high schools using our CS undergraduate ambassadors to explain “Why be a computer scientist?” We conducted 5 years of workshops for CS high school teachers in Virginia, offering curricular ideas and helping them to organize in affinity groups around the state. We also lobbied first-year engineering students to consider majoring in CS during a special summer program that attracted large numbers of women and minority students. Throughout these activities, we worked with NCWIT Extension Services personnel to develop and use metrics to evaluate our progress.

For retention, we strengthened AWC and provided funds for student diversity conference travel to the Grace Hopper and Tapia Celebrations. We also held dinners for our female students, faculty, and female distinguished speakers who visited our

Board Member Highlight *(continued)*

department. (And we observed that meeting famous people in an informal setting was a very popular activity for our young women!) Our female majors started a very popular peer mentoring program that built community, especially among the undergraduate women.

The culmination of this activity was when our department won 2nd place nationally in the NCWIT NEXT Awards in 2016. The monetary award was used to establish an endowment of a diversity fund that is being augmented today to provide for similar student-centered diversity activities.

About the Author

Barbara Ryder received her A.B. degree in Applied Mathematics from Brown University (1969), her Master's degree in Computer Science from Stanford University (1971) and her Ph.D. degree in Computer Science at Rutgers University (1982). Dr. Ryder was Head of the Department of Computer Science at Virginia Tech from 2008-2015 and J. Byron Maupin Professor of Engineering. She served on the CS faculty of Rutgers from 1982-2008. Dr. Ryder is an ACM Fellow (1998). Her recent awards include the 2018 IEEE Computer Society TCSE Distinguished Women in Science and Engineering Award and the 2015 ACM SIGSOFT Influential Educator Award.

Dr. Ryder is an active advocate for women in computing. She was honored to receive the Virginia 2014 AAUW Woman of Achievement Award. She was a founding organizer of the NCWIT Regional VA/DC Aspirations for Women Awards and served as co-chair in 2014-2015 and 2012-2013. She also served as executive champion for her department in the NCWIT Pacesetters Program (2009-2015).

CCC Response to NITRD “RFI on Update to the National Artificial Intelligence Research and Development Strategic Plan”



CCC

Computing Community Consortium
Catalyst

By CCC Staff

The **Networking and Information Technology Research and Development (NITRD) National Coordination Office (NCO)**, on behalf of the **National Science and Technology Council's (NSTC) Select Committee on Artificial Intelligence**, put out a **Request for Information (RFI)** from the public on the **National Artificial Intelligence Research and Development Strategic Plan**.

The **Computing Community Consortium (CCC)** responded to the RFI and submitted their response, which was then endorsed by a number of societies in a corresponding statement.

The CCC agreed with the NITRD NCO and Select Committee “that advances in AI will have a transformational impact on society, and that sustained support for fundamental research in a wide array of AI-related topics will continue to be crucial in enabling those advances.” For that reason, CCC is pleased that the Strategic Plan will be updated to reflect current priorities.

The long-term promise of AI is to produce systems that understand and interact with their environment in intelligent ways. While learning technologies will likely contribute to many of these applications, they constitute only part of a truly intelligent system. The CCC listed a few other general attributes that stand out when considering this intelligent system perspective more deeply.

1. An intelligent system will likely involve many components with different functions.
2. AI systems will be embedded in a context or an environment that often includes people and other AI systems.

3. Continued AI advances, especially involving substantial data, will require concomitant advances in computer systems for faster and less expensive cycles, communications, and storage.

This fall, the CCC embarked on the development of an AI Research Roadmap, with broad input from the computing research community, with the goal of identifying key research areas in AI and delivering its findings by Spring 2019.

While much work is being done in AI, both in research and application, by academia and industry, the CCC believes that this complex collection of issues demands a concerted effort in establishing a set of research priorities and long-term investments. As part of that effort, the CCC is working with leading researchers in the computing research community to gather academic and industrial researchers across disciplines to produce a roadmap, culminating with a report in the Spring of 2019. This AI Roadmap Effort is led by Yolanda Gil (USC) and Bart Selman (Cornell).

The CCC hopes that the NITRD NCO and Select Committee will view **these intermediary recommendations** as well as this on-going **AI research roadmapping effort** as valuable input from the computing research community that can be used to update the Strategic Plan.

CCC Robotic Materials Workshop Report

By CCC Staff

In April 2018, the **Computing Community Consortium (CCC)** held a **Robotic Materials workshop** in Washington, DC. This workshop was the second in a series of interdisciplinary workshops aimed at transforming our notion of materials to become “robotic”, that is have the ability to sense and impact their environment. Robotic materials has the potential to constitute a new material age in which man-made materials that mimic the complexity of biological tissue that includes muscles, nerves, and vascular systems become common place.

The **workshop report has been published here**. From the report:

The trend of materials becoming systems that integrates sensing, actuation or computation already exists, both in industry and government agencies. At the same time, robotics and artificial intelligence is becoming increasingly aware of the role of embodiment and mechanism design. Yet, the hurdles for the level of interdisciplinary collaboration that are needed are too high for truly transformative developments to happen by accident. Rather, government institutions and researchers alike should seek to push for new initiatives that require truly interdisciplinary teams with computation a required component. At the same time, researchers should seek to push the boundaries of existing programs that address the foundations of robotic materials by adding computational elements. Here, it is important to equally consider the two dominant schools of thought, those who wish to add computation by increasing material complexity, and those that wish to hope to arrive at smart materials by means of miniaturizing artificial cellular structures.

Read **the full report** to see all the recommendation and to learn more.

Also, this week, the National Science Foundation (NSF) announced their **Designing Materials to Revolutionize and Engineer our Future (DMREF)** program solicitation, which specifically calls out robotic materials.

From the **DMREF solicitation**:

While this solicitation is not restricted to any particular materials research topic, those of particular interest in this FY2019 solicitation include: 1) Synthetic materials biology, 2) Structural materials under extreme conditions, 3) Recyclable plastics and alternative materials for sustainable development, and 4) Robotic materials.

DMREF highlights four sets of goals:

- Leading a culture shift in materials science and engineering research to encourage and facilitate an integrated team approach;
- Integrating experimentation, computation, and theory and equipping the materials science and engineering communities with advanced tools and techniques;
- Making digital data accessible, findable, and useful to the community; and
- Creating a world-class materials science and engineering workforce that is trained for careers in academia or industry.

All DMREF awards will be four years in duration. Awards are expected to range from \$1,000,000 to \$1,750,000. The submission window dates are January 28, 2019 – February 04, 2019. See **the full solicitation here**.

Quantum Computing Workshop Report

By CCC Staff

The **Computing Community Consortium (CCC)** has recently released a workshop report from the May 2018 workshop **Next Steps in Quantum Computing: Computer Science's Role**. The report highlights how computer scientists can contribute to advances in quantum computing and identifies key trends and research needs in five areas: algorithms, devices, architecture, programming models and toolchains, and verification.

Some research needs identified in the report include:

- The need for new Quantum Computing algorithms that can make use of the limited qubit counts and precisions available in the foreseeable future.
- The need for research regarding how best to implement and optimize programming, mapping, and resource management for QC systems through the functionality in between algorithms and devices.
- Efficiency in QC Linear systems and machine learning algorithms hinges on finding an efficient way for the quantum hardware to access large amounts of classical input data, which is currently a fundamental bottleneck for potential speedups in this application class.
- QC research will benefit from involving people and ideas from many other fields. Particularly mentioned were topics like probabilistic programming and the approximate/unreliable computing field, for instance, recent work on program logic for union bound and verifying quantitative reliability.

You can read the full workshop report here (insert link), and to learn more about the NSF QCIS-FF solicitation visit the webpage here.

The **National Science Foundation (NSF)** Directorate for **Computer & Information Science & Engineering (CISE)** has released a new program solicitation titled **NSF Quantum Computing & Information Science Faculty Fellows (QCIS-FF)** with a total \$6.75 million in anticipated funding.

This solicitation is centered around one of NSF's "**Quantum Leap one of the 2016 "Big Ideas."** The goal of Quantum Leap is to generate advances in quantum technology including quantum computing, communication, simulations, and sensors, in order to catalyze a quantum revolution.

From the NSF solicitation:

This "quantum revolution" requires a highly-trained workforce that can advance the envelope of what is possible, through research and development of practical solutions for quantum technologies. Academic faculty serve a vital role in the development of this workforce, by training the next generation of students while performing vital research.

The disciplines of computer science (CS), information science (IS), and computer engineering (CE) are at the nexus of the interdisciplinary breakthroughs needed to design advanced quantum computing, modeling, communication and sensing technologies. NSF recognizes that there is inadequate research capacity in the CS/CE disciplines in the realm of Quantum Computing & Information Science (QCIS).

The QCIS-Faculty Fellows (QCIS-FF) program therefore aims to grow academic research capacity in the computing and information science fields to support advances in quantum computing and/or communication over the long term. Specifically, QCIS-FF seeks to support departments and schools in U.S. institutions of higher education that conduct research and teaching in computer science, information science, and/or computer engineering, with the specific goal of encouraging hiring of tenure-track and tenured faculty in quantum computing and/or communication. Cross-disciplinary and multi-department hires are welcomed; however, intellectual ownership and primary assignment should be with the department primarily engaged in research and teaching activities for computer and information science and engineering. NSF funding will support the entire academic year salary and benefits of the newly recruited tenure-track or tenured faculty member for a duration of up to three years. Each proposal must request support for only one faculty position. Total budget is not to exceed \$750,000 per proposal, with up to two awards per institution, across all departments in any given institution.

Preliminary Proposal Due Date is December 17, 2018, and July 01, 2019. Submissions are due by 5 p.m. submitter's local time.

NSF DCL - Early-concept Grants for Exploratory Research on Artificial Intelligence (AI) and Society - Supported Jointly with the Partnership on AI

By Jim Kurose, Assistant Director, CISE and Arthur Lupia, Assistant Director, SBE



*The following is a **Dear Colleague Letter (DCL)** from James Kurose, Assistant Director for Directorate of Computer & Information Science & Engineering (CISE), and Arthur Lupia, Assistant Director for Directorate for Social, Behavioral, and Economic Sciences (SBE), of the National Science Foundation (NSF). The goal of this DCL, which specifically mentions the **Computing Community Consortium (CCC) AI Roadmap**, is to encourage the submission of **EAGERs** on understanding the social challenges arising from AI technology and enable scientific contribute to overcoming them.*

Dear Colleagues:

The National Science Foundation's (NSF) Directorates for Computer and Information Science and Engineering (CISE) and Social, Behavioral and Economic Sciences (SBE) together with the **Partnership on AI (PAI)** wish to notify the community of their interest in supporting EARly-concept Grants for Exploratory Research (EAGERs) to understand the social challenges arising from AI technology and enable scientific contributions to overcome them.

The last 20 years have seen rapid advances in machine learning, pattern recognition, planning, effective decision making, natural language processing, and machine vision. These advances have been fueled by increased data, faster computation, and improved algorithms. They are yielding increasingly diverse and large-scale applications deployed in settings subject to unanticipated challenges with complex social effects.

NSF has long supported fundamental research enabling AI technology. With increases in the scale and diversity of deployments comes the need to better understand AI in the open world, including unforeseen circumstances and social impacts, and to craft approaches to AI that consider these from the start. Vital directions include developing principles for safe, robust, and trustworthy AI (including shared responsibilities between humans and AI systems); addressing issues of bias, fairness, and transparency of algorithmic

intelligence; developing deeper understanding of human-AI interaction and user education; and developing insights about the influences of AI on people and society.

NSF and PAI will jointly support high-risk, high-reward research at the intersection of the social and technical dimensions of AI. **Priority will be given to collaborative projects that integrate computer/computational science with the social, behavioral, and economic sciences.** Proposals may expand understanding of the influences of AI on people and society or contribute technical innovations that overcome the emerging social challenges.

Topics include, but are not limited to:

- Safety, robustness, and accountability of AI systems;
- Bias and fairness of AI systems;
- Intelligibility, explanation, and transparency of AI inferences;
- Privacy challenges with AI development and use;
- Sociotechnical challenges involving ethical considerations;
- Economic impacts of AI on society; and
- Social consequences of AI system deployments.

EAGER proposals that fail to address concepts described in this DCL will be returned without review. An individual may appear as principal investigator (PI), co-PI, Senior Personnel, or Consultant on **no more than one** EAGER proposal submitted in response to this DCL.



NSF DCL (*continued*)

Community response to this DCL will help identify ground-breaking directions. In parallel, the **Computing Community Consortium** (CCC) is leading an AI “roadmapping” effort that will complement the EAGERs funded pursuant to this DCL. That roadmapping activity aims to build community consensus around grand challenges in AI and an associated long-term and interdisciplinary research agenda.

EAGER proposals pursuant to this DCL are welcome through January 28, 2019, but earlier submissions are encouraged. Submissions should follow the guidance in NSF *Proposal & Award Policies & Procedures Guide* (PAPPG) Chapter II.E.2. NSF and the Partnership on AI anticipate jointly supporting up to 15 EAGER awards, each up to \$300,000 for up to two years, in accordance with the PAPPG. EAGER proposals pursuant to this DCL must include the prefix “AI-DCL:” in front of the title.

Sincerely,

Jim Kurose
Assistant Director, CISE

Arthur Lupia
Assistant Director, SBE

Prior to submitting an EAGER proposal, PIs must first send a one-page prospectus to AI-DCLQuestions@nsf.gov. Once NSF program officers have approved the prospectus, the PI will be invited to submit a full EAGER proposal to a specific program. The prospectus should be responsive to the DCL and make a compelling case that the project is suitable for an EAGER. **The prospectus must be received no later than January 9, 2019.**

Questions about this DCL should be directed to the following cognizant NSF program directors:

- Todd Leen, CISE Division of Information and Intelligent Systems, email: tleen@nsf.gov.
- Fred Kronz, SBE Division of Social and Economic Sciences, email: fkronz@nsf.gov.

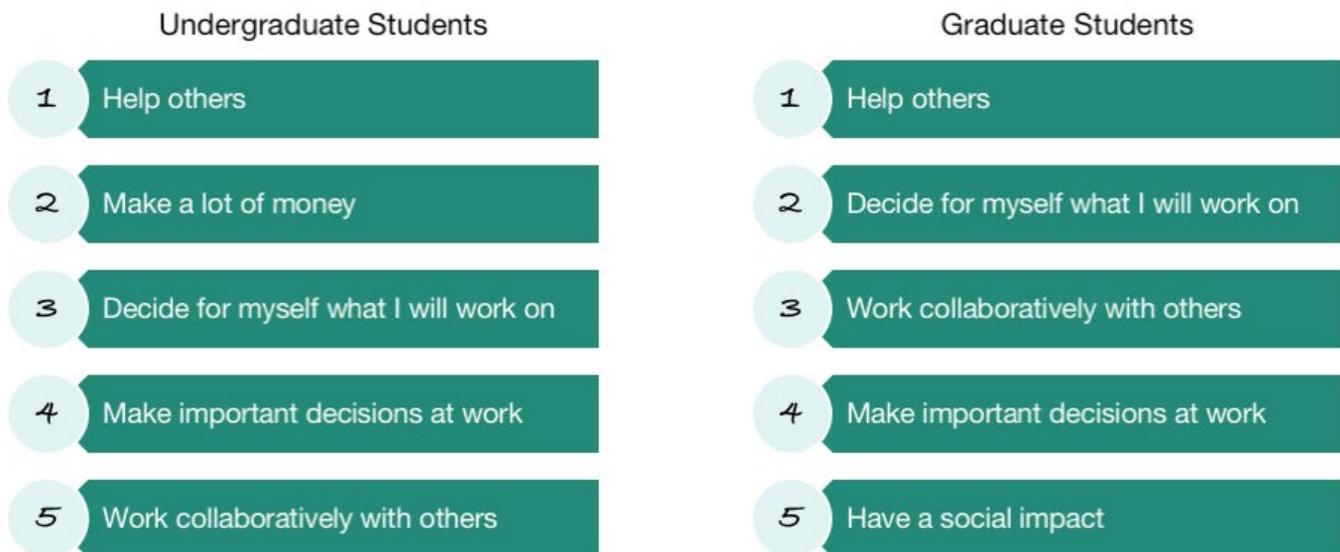
Helping Others is the Highest Rated Career Value for Both Undergraduate and Graduate Students in Computing



By Burçin Tamer, Director of CERP

HIGHEST RATED CAREER VALUES BY STUDENTS IN COMPUTING FIELDS

How important is to you that your future career allows you to ...



Source: Data Buddies Survey (DBS) 2017, Center for Evaluating the Research Pipeline, Computing Research Association

Whether a career path will satisfy an individual's career values can play an important role in the type of jobs they pursue and their work engagement. This graphic shows the top five career values that undergraduate and graduate students in computing fields rated the highest among a list of 15 values. For both groups of students, helping other carries the

highest importance. Making a lot of money, ability to decide what they will work on, making important decisions at work, and working collaboratively with others are the next four values in order of importance for undergraduate students. For graduate students, helping others is followed by ability to decide what they will work on, working collaboratively with others,

making important decisions at work, and having a social impact.

An understanding of the career values that are of highest importance to students can help faculty in providing career advice and employers in creating the work conditions that will enable employees to satisfy these values.



Helping Others (*continued*)

Notes:

The survey data used in this chart were collected during the fall 2017 by CERP via the **Data Buddies Project**. The sample includes 8,960 undergraduate and 4,301 graduate students majoring in a computing field. Students were asked to rate how much importance they place on a number of career values on a scale of Not at all (1), Slightly (2), Somewhat (3), Quite a bit (4), Extremely (5). The question asked, "How important to you is it that your future career allows you to do the following?" The full list of career values with mean values for undergraduate and graduate students, respectively, in parenthesis: Be a role model for people in my community (3.38, 3.76), Be in charge (2.91, 3.45), Become well-known in my field (3.09, 3.56), Bring honor to my family (2.91, 3.34), Decide for myself what I will work on (3.55, 3.99), Give back to my community (3.42, 3.85), Have a lot of responsibility at work (3.38, 3.67), Have a social impact (3.45, 3.89), Help others (3.81, 4.12), Make a lot of money (3.77, 3.71), Make important decisions at work (3.53, 3.95), Serve humanity (3.36, 3.85), Spend a lot of time with my family (3.45, 3.87), Take time off work to care for my family (3.46, 3.88), Work collaboratively with others (3.51, 3.96).

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

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

Former Board Member Sarita Adve Named Recipient of the ACM-IEEE CS Ken Kennedy Award



Sarita Adve

Former CRA Board Member Sarita Adve (University of Illinois at Urbana-Champaign) was recently named the 2018 recipient of the **ACM-IEEE CS Ken Kennedy Award**. She is being recognized *“for research contributions and leadership in the development of memory consistency models for C++ and Java, for service to numerous computer science organizations, and for exceptional mentoring.”*

From the release:

Adve co-developed the memory models for the C++ and Java programming languages (with Hans Boehm, Bill Pugh, and others) based on her early work on data-race-free (DRF) models (with Mark Hill). The memory model specifies what value a read of a memory address will return, and lies at the heart of the correctness and performance of threaded programs, languages, compilers, and hardware. By impacting the models of the most widely-used programming languages, Adve’s work has influenced the worldwide software community and hardware design.

More recently, with her students, Adve questioned the conventional wisdom of memory models for heterogeneous systems and showed that DRF is a superior model, even for such systems. Her group’s recent work on DRFrx provides semantics for relaxed atomics within the DRF framework, a longstanding open problem in the specification of modern memory models.

Adve’s broader research interests are at the hardware/software interface and span the system stack from hardware to applications, with current focus on scalable system specialization and resiliency. She is also known for her innovations in cache coherence, hardware reliability, and power management.

Adve is also recognized for her service to the computing community. As current chair of the ACM Special Interest Group on Computer Architecture (SIGARCH), she instituted many changes inspiring new energy in the functioning of the executive committee, leading to new effective programs in communications, research visioning, and mentoring. With colleagues, she made diversity and inclusion a key focus and led the creation of CARES, a committee to provide support to those who experienced harassment at SIGARCH- and SIGMICRO-sponsored events. Other communities have begun to emulate these activities. Adve also serves on the DARPA ISAT study group and previously served on the board of the Computing Research Association and the NSF CISE advisory committee.

Sarita served on the CRA Board of Directors from 2009 to 2018. She was active on several projects including the **CRA Career Mentoring Workshop** and CRA-W career sessions at the Grace Hopper Celebration of Women in Computing. Sarita recently organized a session at the 2018 CRA Conference at Snowbird, **“How to Stop Driving Women Out of Computing – What happens in your backyard matters!”** She also contributed to the research highlight series with this **profile on her research**.

The award will be presented at **SC 18: The International Conference for High Performance Computing, Networking, Storage and Analysis**, November 11-16, in Dallas, Texas. For additional information on the award visit: <https://www.acm.org/media-center/2018/october/kennedy-award-2018>.

Announcements

Are You Working on the Taulbee Survey?

The CRA Taulbee Survey is in progress. The deadline for the salary section is November 27. Late December: Preliminary salary report available to participants. January 15, 2019: Due date for the main Taulbee section.

Upcoming Nomination Deadlines

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

Serve as a Rotator at the National Science Foundation to Influence Computer and Information Science Research and Funding



By Jim Kurose, Assistant Director of NSF for CISE and Erwin Gianchandani, Deputy Assistant Director of NSF for CISE

It is an exciting, impactful, and important time to be in computer science, not only as a researcher or educator, but also as an expert serving the community – and we want to invite you to consider opportunities for service at the National Science Foundation (NSF).

NSF's Directorate for Computer and Information Science and Engineering (CISE) provides more than 80 percent of the federal funding for academic computer science research in our country. CISE also supports computing education at all levels (from K-12 through graduate education), as well as advanced research cyberinfrastructure for all areas of science and engineering.

It goes without saying that supporting this work is incredibly important – and possible only through the active engagement of the broader research and education community. Indeed, NSF learns about the needs of the community through workshops and advisory committees, and relies upon the research community to serve as panelists for the merit review process.

NSF is unique among federal agencies in that many of our program directors, science advisors, and leadership come from the community and are on temporary leave from their



universities. Many of these “rotators” spend 1-4 years at NSF through an Intergovernmental Personnel Act (IPA) assignment. Having an influx of leading scholars serving the research community helps to ensure that our programs reflect current research needs and keeps CISE-supported efforts at the frontiers of discovery and innovation.

Our rotators, also called “IPAs,” make recommendations about which proposals to fund; influence new directions in the fields of science, engineering, and education; support cutting-edge interdisciplinary research; and much more.

To hear first-hand from current and recent IPAs in CISE and to learn how you can apply for this rotator position, visit our new CISE IPA website launching this week: <https://www.nsf.gov/cise/rotators/>. And if your interest is piqued, start the process by contacting the cognizant division/office director or deputy division/office director listed on that webpage.

By serving at NSF, you can help to continue NSF's stellar track record for advancing transformative research through our investments in people, ideas, and infrastructure. We promise it'll be an interesting and rewarding experience!

About the Authors

Jim Kurose National Science Foundation Assistant Director for Computer and Information Science and Engineering

Erwin Gianchandani National Science Foundation Deputy Assistant Director for Computer and Information Science and Engineering



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microsoft.com/research



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Column Editor

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Applied Visions

Senior Researcher Application Security or Software Engineering

Secure Decisions, a division of Applied Visions (AVI), seeks a Senior Researcher to join our team of software developers, psychologists, and computer security experts. At Secure Decisions we perform cyber security R&D and develop cutting-edge technologies under contracts primarily funded by the federal government including the US Departments of Defense and Homeland Security. We have a strong track record of transferring the results of our R&D into commercial products and open source projects.

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

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

Arizona State University

FACULTY POSITIONS IN ENGINEERING AND COMPUTER SCIENCE

JOINT WITH THE BIODESIGN INSTITUTE

The Ira A. Fulton Schools of Engineering (FSE) at Arizona State University (ASU) and the Biodesign Center for Biocomputation,

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

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

Required qualifications include an earned doctorate in computer science, engineering, biological sciences, or related field and demonstrated research and

teaching excellence appropriate to the candidate's rank. The Ira A. Fulton Schools of Engineering value demonstrated commitment to interdisciplinary research and teaching, history of extramural funding, and record of significant publications.

Appointments are expected to begin August 2019 at the rank of Assistant Professor, although exceptional candidates at other ranks will be considered. The tenure home may be in any of the Fulton Schools of Engineering, although the School of Computing, Informatics and Decision Systems Engineering is currently the most involved in the interest areas of the search. Teaching responsibilities will be to the School to which the candidate is appointed, and the research program will be closely tied to Biodesign CBSS. Applications should clearly address the candidate's teaching qualifications and experience relevant to a particular FSE program. Candidates are invited to submit an optional Diversity Statement, outlining their experience and commitment to enhancing diversity and access to education, and working broadly with diverse communities.

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

- Cover letter
- Current CV

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

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

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

Auburn University

Department of Computer Science and Software Engineering

Multiple Faculty Positions in Cybersecurity

The Department of Computer Science and Software Engineering (CSSE), situated within the Samuel Ginn College of Engineering, invites applications for multiple tenure-track faculty positions. We seek candidates at the Assistant Professor level, however outstanding candidates at a senior level will also be considered. Salary will be commensurate with the candidate's qualifications. Responsibilities include research, graduate student supervision, graduate

and undergraduate teaching, and service. A Ph.D. degree in computer science, software engineering or a closely related field must be completed by the start of appointment. Excellent communication skills are required.

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

CSSE is home to the Auburn Cyber Research Center (<http://cyber.auburn.edu>), and is affiliated with the McCrary Institute for Critical Infrastructure Protection and Cyber Systems (<http://mccrary.auburn.edu>). The successful candidates will be associated with both of these organizations. The department currently has 21 full-time tenure-track and six teaching-track faculty members, who support strong undergraduate and graduate programs (M.S. in CSSE, M.S. in Cybersecurity Engineering, M.S. in Data Science and Engineering expected in fall 2019, and Ph.D. in CSSE). Current student enrollment is over 1100 undergraduate and 175 graduate students. Faculty research areas include artificial intelligence, architecture, computational biology, computer science education,

cybersecurity, data science, energy-efficient systems, human-computer interaction, Internet of Things, learning science, machine learning, modeling and simulation, multi-agent systems, networks, software engineering and wireless engineering. Further information may be found at the department's home page <http://www.eng.auburn.edu/csse>.

Auburn University is one of the nation's premier public land-grant institutions. It is ranked 52nd among public universities by U.S. News and World Report. Auburn maintains high levels of research activity and high standards for teaching excellence, offering Bachelor's, Master's, Educational Specialist, and Doctor's degrees in agriculture and engineering, the professions, and the arts and sciences. Its 2018 enrollment of 30,440 students includes 24,628 undergraduates and 5,812 graduate and professional students. Organized into twelve academic colleges and schools, Auburn's 1,450 faculty members offer more than 200 educational programs. The university is nationally recognized for its commitment to academic excellence, its positive work environment, its student engagement, and its beautiful campus.

Auburn residents enjoy a thriving community, recognized as one of the "best small towns in America," with moderate climate and easy access to major cities or to beach and mountain recreational facilities. Situated along the rapidly developing I-85 corridor between Atlanta, Georgia, and Montgomery, Alabama, the combined Auburn-Opelika-Columbus

statistical area has a population of over 500,000, with excellent public school systems and regional medical centers.

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

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

Augusta University

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

The School of Computer and Cyber Sciences at Augusta University was founded in 2017 with the mission to provide high-engagement, state-of-the-art education, and research across its Computer Science, Information

Technology, and Cybersecurity disciplines, and with the vision of becoming a national leader in Cybersecurity. The School is embarking on a path of unprecedented growth to become a comprehensive research and education college, with substantial increases in faculty, and graduate and undergraduate enrollment.

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

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

computer science and possibly drawing from closely related or emerging fields.

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

Applicants must hold a PhD in Computer Science or a related discipline at the time of appointment, have demonstrated excellence in research, and a strong commitment to teaching. Outstanding candidates in all areas of computer science will be considered with a target appointment date of Fall 2019. Review of applications and candidate interviews will begin December 1 and continue until the positions are filled.

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

- Cover letter
- Curriculum vitae including a list of publications
- Statement describing research accomplishments and future research plans
- Description of teaching philosophy and experience
- Names of at least three references

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

Augustana College (IL)

Endowed Chair Data Science

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

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

Baylor University

Chairperson, Department of Computer Science School of Engineering and Computer Science

The School of Engineering and Computer Science invites nominations and applications for the position of Chair of the Department of Computer Science. The successful candidate must have a Ph.D. in Computer Science or a related field, leadership experience, a commitment to undergraduate and graduate education, a strong research record that includes significant external funding, and effective communication and organization skills.

The Department: Computer Science is one of three departments in the School of Engineering and Computer Science. It offers an ABET-accredited B.S. in

Computer Science, a B.A. with a major in Computer Science, a B.S. in Informatics with a major in Bioinformatics, a B.S. in Computing with a major in Computer Science Fellows, and M.S. and Ph.D. degrees in Computer Science. The Department has 16 full-time faculty, over 370 undergraduate majors and 20 graduate students. The Department's greatest strength is dedication of the faculty members to the success of the students and each other. Interested candidates may contact any faculty member to ask questions and/or visit the departmental web site at <http://www.ecs.baylor.edu/computerscience>

The University: Baylor University is a private Christian university and a nationally-ranked research institution, consistently listed with highest honors among The Chronicle of Higher Education's "Great Colleges to Work For." The university is recruiting new faculty with a deep commitment to excellence in teaching, research, and scholarship. Baylor seeks faculty who share in our aspiration to become a tier-one research institution while strengthening our distinctive Christian mission as described in our strategic vision, Illuminate (<https://www.baylor.edu/illuminate>). As the world's largest Baptist University, Baylor offers over 40 doctoral programs and has over 17,000 students from all 50 states and more than 85 countries.

Appointment Date: Fall 2019.

Application Procedure: Applications, including detailed curriculum vitae, a

statement demonstrating an active Christian faith, and contact information for three references should be submitted using the iApply system at <https://jobs.baylor.edu/postings/4372>. Questions can be emailed to CSSearch@Baylor.edu.

For full consideration, applications should be received by January 1, 2019. However, applications will be accepted until the position is filled.

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

Belmont University

Assistant Professor of Computer Science

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

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

Birmingham-Southern College

Assistant Professor in Applied Computer Science

Birmingham-Southern College (BSC) invites applications for a tenure-track Assistant Professor in Applied Computer Science beginning fall 2019. We seek a faculty member with broad teaching and research interests who will support, enhance, and expand the Applied Computer Science curriculum at all levels and who can collaborate with colleagues and students across disciplinary lines in a liberal arts environment. BSC is committed to diversifying our faculty and access to higher education, and our department strives to increase access to STEM majors and careers among underrepresented groups. We seek a colleague who shares these aspirations, and we value faculty engagement with the professional and wider community.

For more information and application instructions, please visit <https://www.bsc.edu/administration/humanresources/careersbsc.html>.

Boston College

Associate or Full Professor in Computer Science

The Computer Science Department of Boston College is poised for significant growth over the next several years and seeks to fill faculty positions at all levels beginning in the 2019-2020 academic year. Outstanding candidates in all areas will be

considered, with a preference for those who demonstrate a potential to contribute to cross-disciplinary teaching and research in conjunction with the planned Schiller Institute for Integrated Science and Society at Boston College. See <https://www.bc.edu/bc-web/schools/mcas/departments/computer-science.html> and <https://www.bc.edu/bc-web/schools/mcas/sites/schiller-institute.html> for more information.

Qualifications

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

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

Application process begins October 1, 2018

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

Office for Institutional Diversity at <http://www.bc.edu/offices/diversity>.

Boston College

Tenure Track, Assistant Professor of Computer Science

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

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

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

commitment to quality in undergraduate and graduate education.

To apply go to

<https://apply.interfolio.com/54208>

Application review begins October 1, 2018.

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

Boston University

Assistant Professor

The Department of Electrical & Computer Engineering (ECE) at Boston University (BU) anticipates openings for multiple Tenure-Track Assistant Professor positions in the area of computer systems and software with impact in areas such as mobile health and computing, biomedical devices, neuromorphic computing and AI, machine learning, security, blockchain and distributed computing, the Internet of Things and cyberphysical systems. The BU footprint

in these areas is growing significantly. Candidates with research programs that transcend the traditional boundaries of ECE are welcome to explore affiliated appointments in appropriate departments, such as Biomedical Engineering, Computer Science, and Mathematics and Statistics.

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

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

Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university

to award a PhD to a woman and that Martin Luther King Jr. received his PhD here. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of engineering by underrepresented groups at BU and beyond.

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

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

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

Boston University

Tenure Track Faculty - Computer Science

The Department of Computer

Science invites applications for two tenure-track assistant professorships beginning July 1. Qualifications required of all applicants include a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates pursuing research in systems security and systems broadly defined including architecture, compilers, and parallel computation. Additionally, focus

will be given to machine learning, robotics, human-computer interaction, graphics, or other areas of strategic growth.

The Department consists of a diverse group of 30 tenured and tenure track faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, graphics, image and video computing, machine learning, natural language processing, networking, operating systems, software design and implementation, real-time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department collaborate closely with faculty across the university including mathematics and statistics, computer engineering, mechanical engineering, biology, earth and environment, economics, law, medicine, among others. Candidates are encouraged to demonstrate throughout their application their attention to diversity and inclusion as these topics relate to teaching, research, and engagement within the academic environment.

Review of applications will begin on December 1, 2018 and continue on a rolling basis. Additional information of the Department is available at <http://www.bu.edu/cs>. Qualified applicants should apply at <https://academicjobsonline.org/ajo/jobs/12120>

Boston University expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly

community (<https://www.bu.edu/info/about/diversity/>). Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a Ph.D. to a

woman and of our record of inclusiveness. The College of Arts and Science includes diversity as one of five strategic goals. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of




BRIDGEWATER
STATE UNIVERSITY

Assistant Professor, Dept. of Computer Science

Rank: Assistant Professor
Tenure Information: Tenure Track

Department Summary:
The Department of Computer Science at Bridgewater State University invites applications for a tenure-track position at the rank of Assistant Professor beginning September 2019. The Department is a mid-sized, cordial, collaborative, and innovative group of 8 full-time faculty members. The Department is located in the Dana Mohler-Faria Science and Mathematics Center where faculty and staff work with students in labs equipped with modern equipment and technology. The goal of the Department is to provide students with a strong foundation in computer science, one that also promotes critical thinking and lifetime learning.

Essential Duties:
Responsibilities include teaching undergraduate- and master's-level courses, advising undergraduates and supervising graduate students, participating in departmental curriculum development including ABET accreditation work, as well as engaging in ongoing scholarship and professional activity.

Required Qualifications:
Applicants must have an earned Ph.D. in computer science, or a closely related field. ABD applicants will be considered if the degree is received by the position start date. Applicants should be strongly committed to excellence in teaching and advising and to working in a multicultural environment that fosters diversity. They should also have an ability to use technology effectively in teaching and learning, a demonstrated capacity for scholarly activity, excellent verbal and written communications skills, as well as a commitment to public higher education.

Preferred Qualifications:
Specialties in Machine Learning, HCI, Computer Vision and/or Computer Security.

Posting Number: F00218P
Open Date: 10/12/2018
Close Date: 12/4/2018
Please visit BSU's jobsite at <http://apptrkr.com/1314312> for full position details and to apply on-line.

Bridgewater State University is an affirmative action/equal opportunity employer which actively seeks to increase the diversity of its workforce. We are dedicated to providing educational, working and living environments that value the diverse backgrounds of all people.

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

Brown University Department of Computer Science

Faculty Positions Available

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

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

The department has 28 tenure-stream and 3 research faculty members, 2 lecturers, and several adjunct and visiting faculty members. In addition to its strong graduate program, the department has a strong undergraduate culture, anchored by a mature, endowed program for undergraduate teaching and research assistants. Department members frequently take advantage of Brown's interdisciplinary culture via collaborations with numerous other Brown units including Applied Mathematics, Biology, Brain Sciences, Cognitive Linguistic and Psychological Sciences, Economics, Engineering, Mathematics, Medicine, Public Health, Public Policy, and Visual Arts, as well as the Rhode Island School of Design. CS is a founding partner and plays key roles in major university-wide programs and initiatives including Data Science, Humanity Centered Robotics, Cybersecurity, and Computational and Molecular Biology.

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

their teaching statements or in a separate diversity statement.

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

Junior applicants must have completed all requirements for the doctoral degree by the start of the position. The initial appointment as assistant professor is for four years and is renewable. Applicants for a junior position must submit three letters of reference, and applicants for senior positions should submit five names of references whom the committee may contact. We are eager to try to accommodate the needs of, and welcome applications from, dual career couples.

Applications will be considered until the position(s) are filled but we strongly encourage the candidates to submit complete applications (including reference letters) by November 1, 2018 for full consideration. We will start application reviews and interviewing immediately and highly encourage early applications. Applicants who would like confidentiality should explicitly mention this desire in the first paragraph of their cover letters. To apply, please use Interfolio (<https://apply.interfolio.com/56281>).

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

Brown University Department of Computer Science

Lecturer Positions Available

The Department of Computer Science at Brown University seeks applicants for multiple faculty positions at the rank of lecturer, senior lecturer, or distinguished senior lecturer. The initial appointment would be for a 3-year period (renewable with potential for promotion and longer-term contracts). These positions are a part of a major expansion plan for the department as it plans to increasing its roster by 50% over the next five years.

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

Brown offers a vibrant community for both teaching and research, with

33 tenured and tenure-track faculty members, one lecturer, three research faculty and several adjunct and visiting faculty members (with additional hiring planned over the next few years). The department has a strong undergraduate culture, anchored by a mature, endowed program for undergraduate teaching assistants, as well as a long history of published undergraduate research. Research and graduate programs leverage disciplinary strengths in CS as well as Brown's broader interdisciplinary culture. CS is a founding partner in multiple university-wide initiatives including Data Science, Computational and Molecular Biology, Cybersecurity, and Human-Centered Robotics.

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

Applicants must have a Ph.D. by the start of the position. Applicants must submit a CV, a teaching statement, and an additional statement describing either research or other significant professional activities beyond classroom instruction (as appropriate for the candidate's

background and interests). Candidates must also arrange for at least three letters of reference to be submitted through the application website.

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

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

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

Bryn Mawr College

*Tenure Track Assistant Professor,
Computer Science*

The Department of Computer Science at Bryn Mawr College invites applications for a full-time, tenure-track Assistant Professor position to begin August 1, 2019. We welcome applications from all areas. Candidates in the areas of theory, algorithms, or systems are especially encouraged to apply (such as Complexity, Algorithms, Operating Systems, Computer Architecture, Distributed Systems, Computer Networks). The successful candidate must demonstrate a strong commitment to excellence in undergraduate teaching and establish an active and successful research program. The candidate will be expected to teach courses at all levels of the undergraduate program in computer science, mentor student research and contribute broadly to the academic life of the department and the College. Candidates must have completed all Ph.D. requirements by the start date.

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

candidates from underrepresented groups and women are especially encouraged to apply.

Cal Poly, San Luis Obispo

TENURE-TRACK POSITION -- CYBERSECURITY

The Computer Science and Software Engineering Department at Cal Poly, San Luis Obispo, invites applications for two full-time, tenure-track Computer Science faculty positions at the Assistant or Associate Professor rank beginning Fall 2019. Rank and salary are commensurate with qualifications and experience. Qualified candidates with industry experience are encouraged to apply. These positions are sponsored by industrial partners which may provide additional opportunities for collaboration or support for professional development. Duties include teaching undergraduate and master's level courses, enriching the curricula with new courses in computer security, conducting research, and providing service to the department, the university, and the community. A doctorate in Computer Science, Computer Engineering, Software Engineering or a closely related field is required. Particular areas of interest include: software security, malware analysis, mobile security and web security.

For full details, qualifications and application instructions (online faculty application required), visit WWW.CALPOLYJOBS.ORG and apply to Requisition#105041.

REVIEW BEGIN DATE
December 31, 2018. EEO

California Polytechnic State University

Assistant/Associate Professor In Computer Science And Software Engineering

The Computer Science and Software Engineering Department (CSSE) within the College of Engineering at California Polytechnic State University, San Luis Obispo, CA invites applications for one full-time, academic year, tenure-track Computer Science and Software Engineering faculty position in the area of bioinformatics, at a rank and salary commensurate with the applicant's background and experience. The anticipated start date is September 2019, or possibly January 2020. Duties include teaching undergraduate and master's level courses, supporting and expanding curricular development in Computer Science and Software Engineering, curriculum development in support of the emerging cross-disciplinary program in bioinformatics, pursuing research in one's area of expertise, and providing service to the department, the university, and the community. Strategic priorities of the department for these positions include bioinformatics, computational biology and related areas of study. An earned doctorate (Ph.D.) in Computer Science, Software Engineering, or a closely related field from an accredited institution or international equivalent is required for appointment. Candidates nearing completion of the doctorate (ABD) will be considered, but must provide proof that the doctorate was completed prior to the start of the appointment. Highly

qualified candidates from other areas may also be considered. Candidates with industry experience are encouraged to apply. Cal Poly emphasizes Learn by Doing, which involves extensive lab work and projects in support of theoretical knowledge. The CSSE department is collaborating with a number of other programs on campus to establish a unique Cross-Disciplinary Studies Minor in Bioinformatics. Successful candidate will have an opportunity to take a leadership role in both the curriculum development and administration of the program, as well as in the emerging strategic research collaborations between the CSSE department and the life sciences programs on campus. Cal Poly strongly values diversity and inclusion, especially in the classroom and among its areas of study. This Instructional Faculty search will occur at the same time as a university wide cluster of searches designed to increase curricular coverage of areas related to diversity and inclusion, as well as to promote inclusive teaching strategies across the university. If the successful Instructional Faculty AY candidate's research overlaps with the area of diversity and inclusion, there will be an opportunity to join and support these university efforts. Cal Poly's Computer Science and Software Engineering Department offers Bachelor's Degrees in Computer Science and Software Engineering, and Master's Degrees in Computer Science. Also, the Computer Science and the Electrical Engineering departments jointly offer a B.S. degree in Computer Engineering.

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

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

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

Review Begin Date: December 1, 2018.

California State Polytechnic University, Pomona

Assistant Professor, Computer Science

The Computer Science Department invites applications for two tenure-track positions at the rank of Assistant Professor to begin Fall 2019. We are particularly interested in candidates with specialization in Software Engineering, Compilers, Distributed Computing, Artificial Intelligence, Data Science and/or Robotics 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, or complete by Aug. 1, 2019, 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 12, 2018.

Contact: Faculty Search Committee, Computer Science Department, Cal Poly Pomona, Pomona, CA 91768. Email: cs@cpp.edu.

Position announcement and application available at: <https://apply.interfolio.com/55209>

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

California State University Northridge

Assistant Professor

California State University Northridge, Department of Computer Science invites applications for three tenure-track Assistant Professor positions. Applicants must have an earned doctoral degree in Computer Science or a closely related field. Qualifications: Ability to teach a broad range of courses in

the areas of computer science and information technology are necessary and specialization in Computer Graphics, Artificial Intelligence, Computer Networking, Databases, Systems, Computational Data Science, Cloud Computing, or Software Engineering is desired. Excellent candidates with specialization in other areas will be considered. Applicants must demonstrate a commitment to work with a diverse student population. California State University, Northridge, one of the largest of the 23 campuses of The California State University system, is located twenty-five miles northwest of central Los Angeles in the San Fernando Valley, a suburb with a multi-cultural population of over one million people.

CSUN is an EEO/AA employer.

Priority will be given to applications received by October 15, 2018.

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

California State University, Sacramento

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

One tenure-track assistant professor position to begin with the Fall 2019 semester. Applicants specializing in any area of computer science will be considered. Those with expertise in areas related to software engineering,

computer architecture, artificial intelligence, or deep learning are especially encouraged to apply. Ph.D. in Computer Science, Computer Engineering, or closely related field required by the time of the appointment.

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

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

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

Calvin College

Tenure Track Faculty Position

The Department of Computer Science at Calvin College invites applications for a tenure-track faculty position to begin September 2019. We are particularly interested in expanding our expertise in Computer Security or Data Science and Analytics, but individuals from all computing-related areas will be considered. Candidates from under-represented groups are strongly encouraged to apply. Our faculty pursue research programs that are accessible to undergraduate students and are funded by both internal and external grants.

For more information and application instructions, see: https://cs.calvin.edu/documents/Tenure_Track_Faculty_Position.

Canisius College

Assistant Professor of Computer Science

The Department of Computer Science at Canisius College invites applications for a tenure-track Assistant Professor position in computer science and cybersecurity, beginning in the fall 2019 semester. Candidates should show a strong commitment to undergraduate teaching and the ability to establish and maintain a high-quality research program that involves undergraduate students. Teaching responsibilities, although flexible, will include courses in the field of cybersecurity as well as courses in computer science at all levels. Additional responsibilities include student advisement and a commitment to departmental and college-wide service.

The Department of Computer Science has a well-established, diverse, and vibrant community of faculty and students that the successful candidate will join. Concern and support for student learning is a cornerstone of this community. This focus on student learning has developed a long history of successful graduates including a winner of an Academy Award for Technical Achievement in Computer Graphics and a winner of a Pulitzer Prize. Research with undergraduates is strongly supported and has resulted in many conference presentations. The successful candidate will be an integral part of the development of a new Masters-level program in cybersecurity. The Department of Computer Science also supports Canisius College's Masters-level program in Data Analytics.

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

Review of completed applications will begin December 15, 2018. Additional applications can be submitted or completed after this date. Review of applications will continue until the position is filled.

Canisius College, founded 1870, is a Jesuit comprehensive liberal arts college with strong commitments to social justice and to preparing students to be reflective women and men for others. The department is enthusiastic about this mission and committed to faculty diversity. To learn more about the Computer Science Department at Canisius College go to www.canisius.edu/computer-science.

Canisius College is located in the Buffalo/Niagara Region of New York State where the low cost of housing, excellent school districts, numerous cultural organizations, and a wide range of sports, entertainment and dining venues are just a few of the many things that make for an excellent quality of life. Our four-season climate allows for a myriad of outdoor recreational activities that range from the beach in the summer to the ski slopes in the winter. Furthermore, we are only 90 minutes away from Toronto, Canada, an additional source of recreational and cultural activity.

Canisius College, a Catholic and Jesuit university, has as its foundation the fundamental values of academic excellence, leadership, faith, and social justice. Canisius is committed to educating and preparing men and women to become leaders in their professions and their communities, and in service to humanity. The college is an equal opportunity employer committed to recruiting, supporting, and fostering a diverse community of outstanding faculty, staff and students.

The Office of Human Resources at Canisius College utilizes an online recruitment management system.

Individuals who need reasonable accommodations under the ADA in order to participate in the search process should contact the office of human resources at (716) 888-2240.

To apply, go to <https://www.canisius.edu/about-canisius/employment-canisius> and click on View Current Employment Opportunities. Applicants must submit their cover letter (to Dr. Jeffrey J. McConnell, Chair of Computer Science), curriculum vitae, unofficial transcripts, teaching philosophy, and research statement with their online application. Also, please include the names, titles and email addresses of three references. Your references will receive an email from Canisius College requesting they submit their reference letter directly to Canisius College's Human Resources Department.

Benefits:

Benefits are available the first of the month after the full-time faculty's date of hire and include - health, dental and vision insurance, life and long term disability insurance, and retirement plan enrollment is available to full-time faculty with contribution from College after one year. Tuition benefits are also available for full-time faculty and their qualified dependents.

Carnegie Mellon University

Systems Scientist

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

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

based infrastructure and experience in supervising software development

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

Carnegie Mellon University

School of Computer Science

Faculty Hiring

The School of Computer Science consists of seven departments, spanning a wide range of topics in computer science and the application of computers to real-world systems. Faculty positions are specific to each department, though in certain cases, joint positions are also possible.

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

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

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

We will begin accepting applications beginning September 1, 2018. To ensure full consideration of your application, please submit all materials no later than December 3, 2018. In your cover letter, please indicate clearly the department(s) you are applying to. You can learn more about our hiring plans and application instructions by visiting <http://www.cs.cmu.edu/employment-scs>.

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

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

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

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

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

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

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

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

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

Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

The Citadel

Tenure-Track Positions in Computer Science

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

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

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

Applicants should submit a letter of application, curriculum vitae, copies

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

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

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

Clayton State University

Department Chair, Computer Science and Information Technology

The Department of Computer Science and Information Technology at Clayton State University seeks an energetic and innovative individual to serve as

Department Chair. Qualified applicants must have a Ph.D. in Computer Science, Information Technology or closely related field. This is a twelve-month, tenure-track position at the rank of associate/full professor.

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

Coe College

Assistant Professor of Data Science

Coe College invites applications for a full-time tenure-track position of Assistant Professor of Data Science to begin August 2019.

Candidates should be prepared to teach courses in introductory programming, statistical methods, and data management. Ideal candidates would also be able to draw on their expertise dealing with data-intensive problems to expand our curriculum. Areas of interest might include: data mining, machine learning, visualization, information storage and retrieval, numerical methods, mathematical modeling, data security, and network analysis. Review of applications begins on November 16th.

Full Application details can be found at <https://www.coe.edu/why-coe/discover-coe/human-resources/careers/assistant-professor-data-science>

Colgate University

Assistant Professor of Computer Science

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

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

Review of applications will begin December 1, 2018. Applications will continue to be accepted and reviewed after this date until both positions are

filled. Applications should include a cover letter, curriculum vitae, research statement, teaching statement, and three letters of recommendation. Colgate strives to make all students feel welcome, respected, and fully included in the classroom. Candidates should describe in their cover letter or other statements their approach to teaching and/or scholarship in a diverse and inclusive educational environment.

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

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

The College of William & Mary

Assistant Professors of Computer Science

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

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

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

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

The College of William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university. The College is an Equal Opportunity/Affirmative Action employer and encourages applications from women, minorities, protected veterans, and individuals with disabilities. The College conducts background checks on applicants for employment.

Colorado College

Assistant Professor, Computer Science

The Department of Mathematics and Computer Science at Colorado College invites applications for a tenure-track position at the Assistant Professor level in Computer Science to begin in August of 2019. We seek a computer scientist with broad teaching interests who can teach introductory as well as advanced computer science courses to a diverse community of students and mentor computer science majors who are completing their capstone experience. While all areas of computer science will be fully considered, we give preference to candidates with research interests in computer architecture, operating systems, theory of computing, distributed systems, databases,

graphics, networking, computational biology, software design, robotics, mobile computing, data science, artificial intelligence, or machine learning.

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

Colorado College is a nationally recognized, residential liberal arts college with about 2,000 students. Located one-hour south of Denver, the city of Colorado Springs offers many cultural and recreational activities in the foothills of the Rocky Mountain Region. The College actively promotes a dynamic and inclusive environment in which students and employees of diverse backgrounds, cultures, and perspectives

can learn and work. Applicants should describe their interest in teaching computer science in a liberal arts environment in their cover letter.

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

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

Colorado College is an equal opportunity employer committed to increasing the diversity of its community. We do not discriminate on the basis of race,

color, national origin, gender, age, religion, gender identity or expression, disability, or sexual orientation in our educational programs and activities or our employment practices.

Colorado School of Mines

Department of Computer Science Faculty Positions Available

Do you like blue sky and sunshine? What about mountains and outdoor activity? Or maybe you enjoy working with students who are extremely engaged and talented? The Department of Computer Science at Colorado School of Mines (CS@Mines) needs more faculty!

T/TT Faculty: CS@Mines has multiple tenured/tenure-track faculty positions available (open rank). Research specializations of interest include (1) computer systems (e.g., HPC, computer architecture, compilers, operating systems, and deep learning systems) and (2) computer security. We seek candidates excited to share in our mission to address the challenges of creating a sustainable global society by educating the next generation of scientists and leaders, and by expanding the frontiers of knowledge through research. For more information (as well as details on the application process), see:

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

Teaching Faculty: CS@Mines has multiple teaching faculty positions

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

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

About Mines: Colorado School of Mines, Colorado's oldest public university is located in picturesque Golden, Colorado, in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. Mines has about 4800 undergraduate students and 1300 graduate students in a broad range of applied science and engineering disciplines. Annual research expenditures in 2017 was ~\$60M. The School's proximity to Denver and Boulder provides opportunities for significant collaboration with government labs and industry as well as other universities. Mines has the highest admissions standards of any public university in Colorado and among the highest of any public university in the U.S. The 2018 edition of U.S. News and World Report's America's Best National Universities ranks Mines as the top-ranked university in Colorado and 75th in

the nation, both public and private, and 29th in the category of Top Public Schools.

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

Colorado State University

Data Science Assistant Professor in Computer Science

The Department of Computer Science at Colorado State University (CSU) invites applications for one or more tenure-track positions at the level of assistant professor beginning in fall 2019. Exceptional candidates at the associate professor level will also be considered. A Ph.D. in computer science or a related field and a commitment to high-quality research and teaching in computer science are required. The search is open to applicants in all areas of data science in support of a data science initiative in the College of Natural Sciences, which includes the creation of a new major in data science. Applicants should have the ability to contribute to the development and teaching of computer science data science courses at all levels in collaboration with data science partners in mathematics and statistics, who are also conducting searches in this area.

Colorado State University is a Carnegie Research I institution located in Fort Collins, 60 miles north of Denver, and situated at the foothills of the Rocky Mountains. Enhanced by relationships with CSU, Fort Collins has become a thriving



GINA CODY RESEARCH CHAIR IN ARTIFICIAL INTELLIGENCE **DEPARTMENT OF COMPUTER SCIENCE AND SOFTWARE ENGINEERING**

Ranked among the top ten engineering schools in Canada, the Gina Cody School of Engineering and Computer Science is home to over 10,000 engineering and computer science students and a faculty complement of 230 professors. The Gina Cody School of Engineering and Computer Science has about 4,500 graduate students enrolled in 35 graduate programs. The School's research profile continues to grow as it fosters multidisciplinary approaches to finding solutions to a broad range of societal challenges.

For more information on the School, please visit: concordia.ca/ginacody

The Department of Computer Science and Software Engineering has over 45 faculty members, working in varied fields in computer science and software engineering, including several strong researchers in Artificial Intelligence and has seen a major expansion in recent years. The Department is dedicated to multidisciplinary research and training of undergraduate and graduate students, offering undergraduate and graduate degrees in Computer Science and in Software Engineering. Montreal has emerged as a global hub in artificial intelligence, and is synergistically benefitting from a number of university researchers and research institutes collaborating with established companies as well as startups on the next breakthrough discoveries.

More information about the department is available at: concordia.ca/cse

The Department seeks an outstanding candidate for the Gina Cody Research Chair in Artificial Intelligence at the rank of Associate or Full Professor. The five year research chair is renewable and comes with an attractive research package. The ideal candidate is an internationally recognized researcher with an exceptional scholarly record, and has proven leadership qualities, and the ability to collaborate with industry. She/he is expected to demonstrate a commitment to the supervision of Masters and PhD students and attract strong external funding. Areas of expertise include, but are not limited to: fundamental research in machine learning or deep learning, and applications to areas such as natural language processing, computer vision, robotics, and medical imaging. The successful candidate will assume a leadership role in artificial intelligence in the department and have rich opportunities for intellectual interaction and collaboration with other leading researchers and in industry. Membership or eligibility for membership in a Canadian professional engineering association as well as knowledge of French would be considered assets.

Applications must include a cover letter, detailed curriculum vitae, teaching and research statements, and names of four referees. Electronic applications should be submitted by January 15, 2019 and will be reviewed on an ongoing basis until a suitable candidate has been identified. Only short-listed applicants are notified. The appointment is expected to commence in July 2019 or shortly thereafter.

Kindly forward your electronic applications to: AI-hiring@cse.concordia.ca

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

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

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

center for high-tech and 2018 was ranked one of Milken's top five best performing cities. It also consistently ranks high in many quality of life polls (see <https://www.fcgov.com/visitor/awards.php>), and the Rocky Mountains provide world-class outdoor recreational opportunities.

For full consideration, applications must be received by 11:59 pm (MT) on 12/16/2018. A complete application includes a cover letter, complete CV, teaching and research statements, and three letters of reference. The CV must address teaching experience. Letter writers will be emailed immediately upon submission of an application with a request to upload a letter of recommendation. Letters of reference must be submitted by December 23rd, 2018 for full consideration. Applications of semifinalist candidates, including letters of reference, will be made available for review by the entire faculty of the Department of Computer Science. Materials should be submitted at <https://jobs.colostate.edu/postings/60843>.

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

Cornell University

Full-Time Lecturer Opportunity

The Cornell University Department of Information Science invites applications for a full-time and long-term Lecturer position at Cornell's Ithaca campus. Cornell University is located in Ithaca, New York, with a county population of

about 100,000 people in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a wide range of cultural activities, sports, and outdoor activities with the pleasures of both city and country close at hand.

This non-tenure track faculty position offers a professional teaching career track with possibility for growth, including the potential for a teaching innovation specialist. Based on candidate qualifications and experience, the initial appointment will be either a three year (Lecturer) or five year (Senior Lecturer) appointment, with the expectation of renewal. Candidates for the position should hold a PhD and have demonstrated commitment to teaching excellence and innovation. We are seeking candidates who may contribute to large lower- and upper-level undergraduate and masters courses across a range of information science subfields, including: behavioral science; data science; digital culture and production; information ethics, law and policy; interactive technologies (mobile and web); networks, crowds, and markets; design; and user experience.

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

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

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

More information on our current undergraduate programs and course offerings is available at: <https://infosci.cornell.edu/undergraduate/info-sci-majors>

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

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

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

Cornell University

Tenured, Tenure-track Faculty

The Cornell University Department of Computer Science (CS) in the college of Computing and Information Science (CIS) has tenure track and tenured faculty

positions available at the Cornell Tech campus in New York City. The department is ranked among the top computer science departments in the country.

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

This search includes Cornell faculty positions that are part of the Jacobs Technion-Cornell Institute at Cornell Tech, which seeks candidates with demonstrated transdisciplinary interests and a track record of translating research results into real-world impact, especially in service of the common good. Applications are particularly encouraged in areas related to health tech and to the interface between the digital and physical worlds, especially in urban environments.

Candidates must hold or expect to receive a Ph.D. by August 2019, have demonstrated an ability to conduct outstanding research at the level of tenure track or tenured faculty in the Department of Computer Science, and also have a strong commitment to engagement outside of academia in ways that foster significant commercial or societal impact, as aligned with the mission of the Cornell Tech campus. Successful candidates are

expected to pursue an active research program, to teach Masters and Ph.D.-level graduate courses, and to supervise graduate students.

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

Applicants should submit a curriculum vitae as well as 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. A distinguishing characteristic of research at Cornell Tech, in addition to world-class academic work, is that it engages deeply with external communities, organizations, K-12 education, and industry to address real-world problems and contexts that amplify the direct commercial and societal impact of our research. Accordingly, within a clearly identified subsection of the Research Statement, the candidate should address prior accomplishments and future plans related to the commercial and/or broader public engagement and societal impact dimensions of their research.

The above application information should be submitted online at <https://academicjobsonline.org/ajo/jobs/12282>.

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

Diversity is a core value of CIS, CS and Cornell, and we seek candidates who will create a climate that attracts students of all races, nationalities, abilities, and

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

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

Cornell University

Tenured, Tenure-track Faculty

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

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

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

considered for a position at the New York City campus; please visit our website (<http://www.cs.cornell.edu/information/jobpostings>) for further information about the Cornell Tech application.

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

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

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

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

CIS and Cornell value diversity and seek candidates who will create a climate that attracts students of all races, nationalities and genders. We strongly encourage women and underrepresented minorities to apply. Cornell University seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

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

Cornell University

Tenured/Tenure track Faculty Position

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

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

The IS Department brings together faculty, students and researchers who share an interest in advancing our understanding of how people and society interact with computing and information. Exceptional candidates in all areas related to the department's current

research trajectories and priorities will be given serious consideration; these include the interface of economics and information; network science; computational social science; information policy; the sociology of organizations and innovation; human-computer interaction (HCI) and design; data science and its implications; digital humanities; the history and anthropology of computing and data; critical and interpretive analysis of information systems; computer-supported cooperative work (CSCW) and computer-mediated communication (CMC); social computing; human-robot interaction (HRI); ubiquitous computing and interactive systems; information visualization; policy and design for social impact; technology and equity.

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

Additionally, candidates must hold or receive a Ph.D. or equivalent degree by August 2019. Assistant Professor candidates must demonstrate the potential to achieve excellence in research and teaching at both the graduate and undergraduate levels. More senior candidates must have an established record of outstanding research and excellent teaching at both the graduate and undergraduate

levels; salary and rank will be commensurate with qualifications and experience. Experienced applicants may merit a tenured Associate Professor or Professor position, depending on their qualifications.

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

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

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

Diversity is a core value of CIS, IS and Cornell, and we seek candidates who will create a climate that attracts students of all races, nationalities, abilities, and genders. We strongly encourage women and underrepresented minorities to apply. We are working to create more equitable opportunities for underrepresented groups to participate in university life in research and teaching, across ranks, and among faculty, students, and staff. The Diversity Statement provides an opportunity for applicants to reflect on how they and their approach to research, teaching, and/or service examines, identifies, and/or will contribute to positive social change

that supports people who represent differences in gender, class, race, ethnicity, religious affiliation, national and cultural boundaries, national origin, worldview, intellectual origin, ability, and other identities. We invite you to be reflective and describe where you stand to contribute, learn and grow with regard to issues of diversity, inclusion, equity, and justice, and your potential to mentor and educate students who will serve diverse populations. In short, we would like to know, what does “diversity” in academic teaching, service, and research mean to you? For your reference, please consult the CIS diversity web pages: <https://cis.cornell.edu/diversity>. Cornell University also seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

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

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

Dartmouth College

Faculty Position in Engineering Design

The Thayer School of Engineering at Dartmouth invites applications for a tenure-track faculty position in

engineering design. Candidates should have both (1) a Ph.D. in engineering or a related field and (2) deep knowledge and experience with human-centered design methods and practice. The successful candidate will be a gifted teacher with a strong record of externally-funded research. In addition, the successful candidate will contribute across Dartmouth’s teacher/scholar community, specifically working to develop programs and opportunities for design and innovation. The Thayer School is undergoing a significant expansion of faculty, facilities, and programs, and this position is a unique opportunity to help shape the future of the institution.

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

Review of applications will begin December 1st, 2018.

Dartmouth College

Faculty Position in Theoretical and Computational Molecular Science

Dartmouth College seeks applicants for a tenure-track Assistant Professor in the area of Theoretical and Computational Molecular Science. The ideal candidate will use theoretical chemistry and computational modeling approaches to address foundational and practical questions about molecular structure, function, energetics, spectroscopy, reaction kinetics, and their impact in

systems of biological interest. Preference will be given to candidates with applications geared towards biochemistry including but not limited to enzyme catalysis, photosynthesis, and drug design. Preference will also be given to candidates who study and characterize the effects of both quantum and classical phenomena in molecular science. The successful candidate will be expected to direct an independent research program that will attract extramural funding, provide research training for graduate and undergraduate students, and teach graduate and undergraduate courses. The candidate is expected to join an interdisciplinary faculty cluster whose members research the theoretical and experimental impact of analog computation in quantum, bio-molecular, and cellular circuits and systems. The successful candidate is expected to have a primary appointment in either the Department of Chemistry, Department of Computer Science, or Department of Physics and Astronomy.

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

Summer Undergraduate Research Experience (ASURE). Applicants are encouraged to discuss relevant skills and experiences in their teaching statement.

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

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Home to Dartmouth College, the Upper Connecticut Valley is a vibrant, academic and professional community offering excellent schools, lively arts, and an unmatched quality of life in a beautiful setting. Amenities associated with urban areas in Boston MA, Burlington VT, and Montreal QC are all within a few hours drive.

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

Dartmouth College

Assistant Professor

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

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

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border).

Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons.

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

We seek candidates who have a demonstrated ability to contribute to Dartmouth's undergraduate diversity initiatives in STEM research, such as the Women in Science Program, E. E. Just STEM Scholars Program, and Academic Summer Undergraduate Research Experience (ASURE). We are especially interested in applicants with a demonstrated track record of successful teaching and mentoring of students from all backgrounds (including first-generation college students, low-income students, racial and ethnic minorities, women, LGBTQ, etc.).

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

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

Dartmouth College Neukom Fellows

Call for Applications

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

Neukom Fellows are interdisciplinary positions for recent Ph.D.s, DMAs, or MFAs whose research interests or practice cuts across traditional disciplinary boundaries, and has some computational component, whether it be a framing concept for intellectual exploration or an explicit part of the work that is pursued. The successful candidate should have a history of collaborative work across disciplines, but still show evidence of independence and initiative. The Fellowships are two- to three-year appointments, with the third year extension considered upon request after a review early in the second year. Neukom Fellows will be mentored by faculty in two departments at Dartmouth College, take up residence in one department, and will teach one seminar course each year on a subject of their interest. Beyond that there are no additional duties. Neukom Fellow stipends are \$60,000 for 2019-2020. Additional funds are available for equipment, travel, and research materials.

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

Duke University

Tenure-Track Faculty Positions in Computer Science

Duke University invites applications and nominations for four tenure-track or tenured faculty positions in all areas of computer science, and for two additional joint positions between Computer Science and other departments. Areas include artificial intelligence, machine learning, computer systems, security and privacy, database systems, computer vision, algorithms, optimization, as well as interdisciplinary work that relates to the social sciences or biological sciences. Positions are at all ranks and to begin July 2019.

Candidates are expected to have a doctoral degree in computer science or related areas. A successful candidate must have a solid disciplinary foundation and demonstrate promise of outstanding scholarship in every regard, including research and teaching.

The Duke faculty and student communities are currently very diverse and are strongly committed to further enhancing this diversity. We seek faculty members who are committed to building a diverse and inclusive community, which fosters excellence in research and teaching. We strongly encourage applications from women and underrepresented minorities in computing. Please see www.cs.duke.edu and www.provost.duke.edu/faculty for information about the Department and advantages that Duke offers to faculty.

Applicants should submit their materials (cover letter, research statement,

teaching statement, contacts for at least three references) electronically through AcademicJobsOnline: <https://academicjobsonline.org/ajo/jobs/12079>, and solicit letters of reference. For full consideration, applications and references should be received by December 15, 2018.

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

Durham, Chapel Hill, and the Research Triangle of North Carolina are frequently ranked among the best places in the country to live and work. Duke and the many other universities in the area offer a wealth of education and employment opportunities for spouses and families.

Fairfield University

Assistant Professor of Computer Science

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

For the full position description and application instructions visit https://ffd.wd1.myworkdayjobs.com/en-US/EmploymentOpportunities/job/Fairfield-CT/Tenure-Track-Assistant-Professor-Computer-Science---Engineering_JR0000259



Faculty Positions in Computer Science

EMORY UNIVERSITY
Atlanta, Georgia

EMORY UNIVERSITY

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

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

Specific priority areas for this year's searches are:

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

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

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

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

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

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

George Mason University

Computer Science Department – Teaching Faculty Positions

The George Mason University Department of Computer Science, in the Volgenau School of Engineering, invites applications for renewable term, non tenure-track Assistant Professor and Instructor positions beginning spring 2019 and fall 2019. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly

encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

Responsibilities:

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

Required Qualifications:

Applicants for Assistant Professor positions must have received a PhD in

ETH zürich

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

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

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

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

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

→ Applications should include a curriculum vitae, a list of publications, a statement of future research and teaching interests, and a description of the three most important achievements. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Lino Guzzella. The closing date for applications is 1 December 2018.** ETH Zurich is an equal opportunity and family friendly employer and is responsive to the needs of dual career couples. We specifically encourage women to apply.

ETH zürich

Professors or Assistant Professors (Tenure Track) of Computer Vision

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

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

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

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

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

computer science or related field by the start date of the position. Applicants who have received an MS in computer science or a related field by the start date of the position will be considered for Instructor positions. Applicants should possess a strong commitment to and demonstrated excellence in teaching.

Preferred Qualifications:

While applicants in all areas of computer science will be given serious consideration, we are particularly interested in candidates in the areas of computer science education, programming languages, data analytics and software engineering. Preference will be given to candidates with teaching experience. Administrative and/or managerial experience is a plus.

The department has over 50 faculty members with wide-ranging research and a strong commitment to teaching. The CS department has over \$8 Million in annual research funding and has 11 recipients of NSF's prestigious CAREER awards. For more information on the department, visit our web site: <http://cs.gmu.edu/>

George Mason University is the largest public research university in Virginia, with an enrollment of over 37,000 students studying in more than 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education, and was ranked number one in

the 2013 U.S. News and World Report "Up-and-Coming" list of national universities.

Mason is located in Fairfax in Northern Virginia at the doorstep of the Washington, D.C., with unmatched geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation providing excellent opportunities for interaction with industry. Fairfax is consistently rated as being among the best places to live in the country, and has an outstanding local public school system.

For full consideration please submit a faculty application and application materials online at <http://jobs.gmu.edu> for position number F200AZ. To apply, you will need a statement of professional goals including your perspective on teaching (to attach as 'Other Doc'), a complete CV with publications and teaching history, a statement on what diversity and inclusion means to you (to attach as 'Other Doc'), and the names of three references. The review of applications will begin on October 12, 2018 and will continue until the positions are filled.

George Washington University

Tenure Track Openings for Assistant or Associate Professor

The Department of Computer Science at the George Washington University

invites applications for two tenure track positions at the Assistant or Associate Professor Level beginning as early as Fall 2019.

We seek candidates that can augment or complement existing research strengths in Machine Learning, NLP, Vision, Graphics, Systems, Mobile Networking and Cyber Security. New faculty will join a vibrant department housed in a new \$275 M building that encourages interdisciplinary efforts across science and engineering. Current research is supported by federal sources including NSF, NIH, DARPA, IARPA, DOE, and many industrial sources.

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

Minimum Qualifications

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

Responsibilities

Faculty hired into this position will be expected to build a substantial research program, mentor graduate students

in research and teach courses at the undergraduate and graduate levels.

Enquiries and Application:

To enquire, please email to cssearch@gwu.edu or call 202-994-7181. To apply, complete the online faculty application, at <http://www.gwu.jobs/postings/56232> and upload: (1) a detailed CV or resume; (2) a research statement; (3) a teaching statement; and (4) a cover letter that could describe your goals and why you are applying to this position. Please have three references email their recommendation letters directly to cssearch@gwu.edu. References will be expected to address research and teaching skills necessary for this appointment. Only complete applications will be considered. Review of applications will begin October 29, 2018 and will continue until the position is filled.

EEO/AA Policy:

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

BACKGROUND SCREENING STATEMENT:

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

Georgia Institute of Technology

Tenure-Track Faculty

The School of Interactive Computing (IC) at the Georgia Institute of Technology (Georgia Tech) invites applications for several anticipated tenure track faculty positions at all levels of seniority. This year, our areas of primary interest include Natural Language Processing, Learning Sciences and Technology, and Cognitive Sciences. We will also consider truly outstanding candidates in other areas that support the school's mission and expand it in strategic directions. Suitable candidates must have an established international reputation and have demonstrated exceptional impact, productivity, and leadership. Candidates are also expected to demonstrate an exceptional commitment to the teaching and mentoring of students.

The School of IC is a part of Georgia Tech's College of Computing, which is ranked among the top ten Computer Science departments in the nation. The School includes 40 full-time tenure-track Faculty, 6 Faculty with joint appointments, 8 Research Scientists, 130 PhD students, and a large number of Master's students. We work in a wide range of research areas relating to the interface of computing to the world.

Application materials should be submitted online: <https://academicjobsonline.org/ajol/jobs/9635> and must include a cover letter, research statement, teaching statement, curriculum vitae, the contact information of at least

three references, and three publications. Applicants must have outstanding academic credentials, a sincere commitment to teaching, and an interest in engaging in substantive interdisciplinary research. We ask that applicants clearly indicate their research area(s) and focus in their cover letters.

Preference will be given to applications submitted before December 15, 2018, but we will continue accepting applications until the positions are filled. Questions regarding the status of an application may be directed to recruiting-ic@cc.gatech.edu.

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

Georgia Southern University

Assistant Professor of Computer Science

Georgia Southern University's Department of Computer Science invites applications for Assistant Professor in Computer Science. The full text advertisement, including information about the department, faculty, and the complete position announcement with all qualifications and application instructions, is available at <http://cec>.

georgiasouthern.edu/employment.

Screening of applications begins November 15, 2018, and continues until the position is filled.

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

Grinnell College

Tenure-Track Position

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

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 19, 2018. 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 (copies are acceptable), a description of scholarly activities, and a teaching statement that includes a description of the ways in which they plan to support diversity and inclusion in the department, the College, and the discipline. Candidates must also provide email addresses for three references. Questions about this search should be directed to the search chair, Professor Jerod Weinman, at [\[CSSearch@grinnell.edu\]](mailto:CSSearch@grinnell.edu) or 641-269-3169.

Grinnell College is committed to establishing and maintaining a safe and nondiscriminatory educational environment for all College community members. It is committed to a policy of nondiscrimination in matters of admission, employment, and housing, and in access to and participation in its education programs, services, and activities. The college does not discriminate on the basis of race, color, ethnicity, national origin, age, sex, gender, sexual orientation, gender identity or expression, marital status, veteran status, pregnancy, childbirth, religion, disability, creed, or any other protected class.

An offer for this position will be contingent on successful completion of a background check.

Hamilton College

Assistant Professor of Computer Science

The Computer Science Department at Hamilton College invites applications for a tenure-track position at the rank of Assistant Professor beginning July 1st, 2019. Appointments at the advanced Assistant Professor and early Associate Professor level rank will also be considered. The successful applicant will have a strong commitment to teaching courses at all levels of the department curriculum and to research in their area of specialty. The strongest candidates will be able to demonstrate their experience in teaching or working with diverse student populations. Your cover letter should address the ways in which you would further the College's goal of building a diverse educational environment. An ongoing research program that could involve undergraduate researchers is expected. Research support includes start-up funds, annual conference travel, and a generous sabbatical leave program. The position requires a Ph.D. in Computer Science; candidates working on their dissertation with an anticipated completion date before August 2019 will be considered. The teaching load for this position is four courses during the first year and five courses each year thereafter. Send cover letter, curriculum vitae, statements about teaching and research with undergraduates, and arrange for submission of three letters of recommendation via Interfolio at <https://apply.interfolio.com/56042>.

Questions regarding the search may be directed to Professor Mark Bailey, Search Committee Chair, at mbailey@hamilton.edu. Review of application materials will begin October 15, 2018, and continue until the position is filled.

Other Hamilton College departments or programs searching for tenure-track faculty this academic year are: Asian Studies, Art History, Chemistry, Economics, German and Russian Studies, Mathematics, Music, and Theatre.

Hamilton (www.Hamilton.edu) is a residential liberal arts college located in upstate New York. Applicants with dual-career considerations can find other Hamilton and nearby academic job listings at www.upstatenyherc.org, as well as additional information (Opportunities for Spouses or Partners). Hamilton College is an affirmative action, equal opportunity employer and is committed to diversity in all areas of the campus community. Hamilton provides domestic partner benefits. Candidates from underrepresented groups in higher education are especially encouraged to apply.

Harvey Mudd College

Assistant Professor of Computer Science

The Computer Science Department at Harvey Mudd College (HMC) has two tenure-track openings for assistant professors commencing July 1, 2019. Candidates in all areas of computer science will be considered.

HMC is a highly selective undergraduate liberal arts college (850 students) emphasizing science, mathematics, and engineering. HMC is part of the Claremont Colleges, a consortium that includes five colleges and two graduate schools.

The Computer Science Department currently has sixteen tenure-track faculty members and serves three major programs (the computer science major, the joint major in computer science and mathematics, and the joint major in mathematical and computational biology) totaling more than eighty students in each graduating class. The department and the college place a high value on engaging students from traditionally underrepresented groups, and candidates from these groups are especially encouraged to apply.

Among the department's strengths are its success in recruiting women (who comprise about half of both our faculty and our majors) to computer science, an innovative and rigorous curriculum that prepares students for both employment and graduate school, and an active research program that involves a substantial number of undergraduates. Most classes are relatively small. The teaching load is two courses per semester, plus supervision of one or two industry-supported senior capstone Computer Science Clinic projects per year. Please visit www.cs.hmc.edu for more information about the department and the Clinic program.

The department will begin accepting applications via [the AcademicJobsOnline](http://theAcademicJobsOnline)

[system](http://theAcademicJobsOnline) at the end of August. Candidates should submit: (1) a cover letter describing their interests in teaching undergraduates at Harvey Mudd College in particular and in promoting inclusion and diversity in computer science, (2) a curriculum vita, (3) a statement regarding teaching philosophy as well as teaching evaluations or other evidence of teaching effectiveness, (4) a statement of research interests and how undergraduates could participate in this work, and (5) a statement regarding experience or other evidence of commitment to diversity and inclusion. Concurrently, please request three references to submit letters (the letter writers indicated in the application will automatically receive a request to upload their letters). It is desirable that at least one letter address the candidate's potential as a teacher. All application materials, including letters of reference, should be received by November 30, 2018 to receive maximum consideration.

Questions about the position can be addressed to the search committee chair, Associate Professor Colleen Lewis, at cssearch@cs.hmc.edu.

Harvey Mudd College is an Equal Opportunity Employer and is committed to the recruitment of candidates traditionally underrepresented on college faculties.

Haverford College

Assistant Professor of Computer Science

Haverford College invites applications for a tenure-track position as Assistant

Professor in the Department of Computer Science to start in August 2019. The successful candidate should have completed the Ph.D. in Computer Science by fall 2019. Teaching responsibilities include courses at all levels of the curriculum, and in particular courses in core programming languages and/or systems courses, upper-level electives that strengthen the connections between computer science and other fields, and supervision of undergraduate research. The area of scholarly expertise is open.

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

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

statement with a summary (abstract) that is accessible to a general audience.

Questions about the Computer Science program should be directed to John Dougherty at jd@cs.haverford.edu. Questions about the application process should be directed to Georgia Davidis, Assistant to the Provost for Faculty Hiring and Review, at gdaavidis@haverford.edu. For technical questions, please contact Interfolio directly at 1-877-997-8807 or help@interfolio.com.

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

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

Hofstra University

Assistant Professor of Computer Science

The Department of Computer Science at Hofstra University (hofstra.edu/compscience) invites applications for a tenure-track faculty position at the Assistant Professor level to begin in fall 2019. Strong

candidates in all areas of computer science are welcome to apply, with preference given to individuals who specialize in areas within computer graphics, VR/AR, gaming, and visualization. Applicants are expected to have completed a PhD in computer science or a closely related field by September 1, 2019.

The programs in the department are experiencing rapid growth, and the successful applicants will contribute to the further development of a top-tier undergraduate educational institution. The department offers BA, BS, and MS degrees in Computer Science, a BS in Computer Engineering, and a newly-introduced BS in Cybersecurity. Current faculty research interests include: cybersecurity and privacy, computer vision, cognitive neuroscience, computability, data mining, software engineering, and programming languages. The department has newly updated facilities with 6 labs, including a "big data" lab with 20 servers, a 64 CPU machine and IPB storage.

Interested applicants should send:

- a cover letter indicating why Hofstra is a good fit,
- a curriculum vitae,
- a statement of teaching,
- a statement of current research interests and anticipated future research projects, and
- two sample publications

in a single PDF to the Search Committee Chairperson at: SEAS4@hofstra.edu by December 15, 2018. Also, please arrange to have three letters of academic reference



**Assistant Professor Positions
in
Computational and Systems Biology
and Machine Learning and Artificial Intelligence**

The School of Informatics, Computing, and Engineering (SICE), Indiana University, Bloomington, invites applications for two faculty positions at the level of assistant professor (tenure track) to begin in Fall 2019, in the areas of *Computational and Systems Biology* and *Machine Learning and Artificial Intelligence*. Appointments will be made in either the Department of Computer Science or the Department of Intelligent Systems Engineering, depending on the expertise of the successful candidate.

Duties will include research, teaching, and service. Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in Computer Science, Informatics, Engineering, Bioinformatics or a related field expected before August 2019. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

Applications completed by December 1, 2018 will receive full consideration, but review will continue until the positions are filled.

Candidates should review application requirements and apply online at:
<https://indiana.peopleadmin.com/postings/6812>

Questions can be directed to:

- Computational and Systems Biology: Prof. Yuzhen Ye (yye@indiana.edu)
- Machine Learning and Artificial Intelligence: Prof. David Crandall (djcran@indiana.edu)

These hires are part of a cluster hire in conjunction with the *Precision Health Initiative (PHI)*, one of Indiana University's Grand Challenge initiatives (<https://grandchallenges.iu.edu/precision-health/>), a multi-million dollar investment by the university in research that aims to transform biomedical research, health care innovations and the delivery of health interventions in Indiana. We encourage applications from candidates who share the vision of transforming biomedical research through innovative computational approaches, in close collaboration with our partners within the PHI.

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 130 faculty, 1100 graduate students, and 1900 undergraduate majors at IU Bloomington. Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle.

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.



Assistant Professor in Machine Learning

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for a faculty position in machine learning at the level of Assistant Professor (tenure-track) to begin in Fall 2019. The position is part of a major Emerging Area of Research initiative by Indiana University bringing together computer scientists, cognitive scientists, and psychologists studying human and machine learning. Applications are especially encouraged from potential faculty with synergistic interests, expertise, or collaborations relevant to learning. Duties include research, teaching, and service. The Indiana University initiative on learning will continue over the next few years by promoting additional faculty lines to address the important topic of learning in humans and machines. Additional information on the initiative is available at: <http://www.indiana.edu/~earbmc/>

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in a related field expected before August 2019. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

SICE is the first school of its kind and among the largest in the country, 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 130 faculty, 1100 graduate students, and 1900 undergraduate majors at IU Bloomington. It offers PhDs in Computer Science, Informatics, Information Science, and Intelligent Systems Engineering and actively supports entrepreneurship.

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle.

Candidates should review the application requirements and apply online at:
<https://indiana.peopleadmin.com/postings/6576>

For full consideration applications are due by Dec 1, 2018, but will be considered until positions are filled.

Questions may be sent to sicehire+ML-2019@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.

sent to the same email address (include their names/email addresses in the cover letter).

Iowa State University

Assistant Professor of Computer Science

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

Summary

The successful candidates will be responsible for developing and sustaining a strong research program; developing collaborative

and interdisciplinary research; publishing in top venues; supervising outstanding graduate students; teaching undergraduate and graduate courses; and enhancing ISU through professional and institutional service. We are interested in exceptional candidates from all areas of computer science. Preference will be given to the areas of databases and security and privacy.

Required Education & Experience

- Ph.D. or equivalent degree in computer science or a closely related field.
- Publication in top tier venues.

Preferred Education & Experience

- A strong publication record.

- Demonstrated ability or potential to develop a high impact, externally funded research program.
- Demonstrated ability to enhance ISU strategic research areas including, but not limited to, databases, security and privacy.
- Experience working with or teaching diverse groups or diverse students.
- Demonstrated ability or potential to excel in teaching at the undergraduate and graduate levels.
- Demonstrated ability or potential to supervise research of undergraduate and graduate students.
- Demonstrated ability or potential to engage in professional and institutional service and leadership.

Guaranteed Consideration Date:

November 25, 2018

Application Information

For more information or to apply for this position, please visit <http://www.iastatejobs.com/postings/36291> and complete the employment application.

Please be prepared to enter or attach the following during the application process:

1. Resume/Curriculum Vitae
2. Letter of Application/Cover Letter
3. Statement of Teaching Philosophy. Please include any experience working with or teaching diverse groups of students.
4. Research Statement.
5. 1 or 2 representative publications.
6. Reference contact information for three references.

Iowa State University 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, or protected Veteran status and will not be discriminated against.

IUPUI

Tenure Track Faculty in Computer Science

The Department of Computer and Information Science at IUPUI invites applications for at least one, possibly two, tenure track faculty positions at the rank of Assistant Professor, though outstanding candidates at the rank

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

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

The IUPUI campus, located in downtown Indianapolis, is an urban comprehensive research university with 17 academic schools, including one of the largest medical schools in the nation. The Department of Computer and Information Science offers Purdue University degrees at the Bachelor, Master, and Ph.D. levels. The Department currently has 15 full-time tenure track faculty and 3 full-time lecturers. The CIS faculty members are committed to high quality research and teaching. Faculty research programs are

well funded by NSF (including several CAREER awards in recent years), NIH, NASA, NSA, DHS, NIJ and DoD. For further information about the Department, please visit <https://cs.iupui.edu>.

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

Johns Hopkins University

Lecturer/Sr. Lecturer in Computer Science

The Department of Computer Science at Johns Hopkins University seeks applicants for a full-time teaching position. This is a career-oriented, renewable appointment that is responsible for the development and delivery of courses primarily to undergraduate students both within and outside the major. These positions carry a 3 course load per semester, usually with only 2 different preps. Teaching faculty are also encouraged to engage in departmental and university service and may have advising responsibilities. Opportunities to teach graduate level courses will depend on the candidate's background. Extensive grading support is given to all instructors. The university has instituted a non-tenure track career path for full-time teaching faculty culminating in the rank of Teaching Professor.

Johns Hopkins is a private university known for its commitment to academic excellence and research. The Computer Science department is one of nine

academic departments in the Whiting School of Engineering, on the beautiful Homewood Campus. We are located in Baltimore, MD in close proximity to Washington, DC and Philadelphia, PA. See the department webpages at <https://cs.jhu.edu> for additional information about the department, including undergraduate programs and current course descriptions.

Applicants for the position should have a Ph.D. in Computer Science or a closely related field; applicants with a Master's degree and significant relevant industry experience will also be considered. Demonstrated excellence in and commitment to teaching, and excellent communication skills are expected of all applicants. Applications may be submitted online at <http://apply.interfolio.com/55708>. Questions should be directed to lecsearch2018@cs.jhu.edu. For full consideration, applications should be submitted by December 1, 2018. Applications will be accepted until the position is filled.

The Johns Hopkins University is committed to active recruitment of a diverse faculty and student body. The University is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members. Consistent with the University's goals of achieving excellence in all areas, we will assess the comprehensive qualifications of each applicant.

The Whiting School of Engineering and the Department of Computer Science

are committed to building a diverse educational environment.

Johns Hopkins University

Postdoctoral Researcher

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

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

Johns Hopkins University

Postdoctoral Researcher in Computer Networks

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

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

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

Kennesaw State University

Assistant Professor

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

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

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

CCSE is home to more than 3,500 students studying Computer Science, Software Engineering, Computer Game Design and Development, and Information Technology within six undergraduate, three masters, ten certificate, and four minor programs. With emphasis on theory and practice, students have experiential learning opportunities and partner with companies through

internships, co-ops, sponsored capstone projects, and theoretical and applied research. Our faculty are experts in a wide range of cutting-edge topics, including usability, requirements elicitation, health informatics, cybersecurity, robotics, simulation and modeling, virtual and augmented reality, and high-performance computing. Faculty have access to world-class facilities and labs. Reflecting our core ideals of stewardship and partnership, CCSE is actively engaged in service-based learning with local nonprofits, schools, and businesses.

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

Lehigh University

Department Chair, Computer Science and Engineering

The P.C. Rossin College of Engineering & Applied Science at Lehigh University invites applications and nominations for

the position of Chair of the Department of Computer Science and Engineering (CSE). We seek a high-profile, accomplished researcher who is a dynamic leader with a vision to build upon the continued growth and success of the Department and to expand its research efforts.

The Department currently has 14 tenured or tenure-track faculty members and five Professors of Practice. Our undergraduate, Masters, and Ph.D. programs are vibrant and growing, with current enrollments of approximately 350 undergraduate and 50 graduate students. CSE faculty members maintain outstanding international reputations in a variety of areas, including AI/Data Science, Robotics and Systems. Research expenditures currently exceed \$1.2 million per year.

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

Lehigh University is in Bethlehem, PA, in the rapidly growing Lehigh Valley metropolitan area. The Lehigh Valley, with a population over 800,000, is located approximately 1 hour north of Philadelphia and

1.5 hours west of New York City. The University has a current enrollment of approximately 5,000 undergraduate students and 2,000 graduate students, and is planning to increase these

enrollments in the next few years. Lehigh is investing substantially in new innovative research and academic programs to enhance its intellectual footprint. These investments, based on faculty-driven initiatives, will advance the University's commitment to research and to enhance student experiences.

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

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

Lehigh University is an affirmative action/equal opportunity employer that provides competitive salaries and comprehensive

benefits and has a well-developed infrastructure to address dual career and work- life balance matters. As demonstrated by the Core Values and the Principles of Our Equitable

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

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

Lehigh University

Teaching Faculty Positions, Computer Science & Engineering

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

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

The CSE faculty maintain outstanding international reputations in a variety of

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

Located in Bethlehem, Pennsylvania, Lehigh is 80 miles west of New York City and 50 miles north of Philadelphia, providing an accessible and convenient location that offers an appealing mix of urban and rural lifestyles. Lehigh Valley cities and towns are regularly listed as among the best places to live in the country.

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

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, genetic information, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status. Lehigh University is a 2010 recipient of an NSF ADVANCE Institutional Transformation

Grant for promoting the careers of women in academic science and engineering. Lehigh University provides comprehensive benefits including domestic partner benefits (see also <http://www.lehigh.edu/worklifebalance/>). Lehigh Valley Inter-regional Networking & Connecting (LINC) is a newly created regional network of diverse organizations designed to assist new hires with dual career, community and cultural transition needs. Please contact infdcap@lehigh.edu for more information. Questions concerning this search may be sent to pop-search@cse.lehigh.edu.

Lehigh University

Tenure Track Faculty Positions, Computer Science and Engineering

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

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

The Department currently has 14 tenured or tenure-track faculty members and five Professors of Practice. Our undergraduate, Masters, and Ph.D. programs are vibrant

and growing, with current enrollments of approximately 350 undergraduate and 50 graduate students. CSE faculty members maintain outstanding international reputations in a variety of areas, including artificial intelligence, data science, robotics and systems.

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

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

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

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

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

Lenoir-Rhyme University

Assistant Professor of Computer Science

The Donald & Helen Schort School of Mathematics & Computing Sciences at Lenoir-Rhyme University (Hickory, NC) seeks applications for a new full-time, tenure-track position in Computer Science at the Assistant Professor rank, beginning August 2019. A graduate degree in Computer Science or closely related field is required. A Doctorate is preferred, but candidates working towards a PhD will be considered.

To complete the online application process (required), candidates are directed to: <http://www.lr.edu/employment>

While completing the application process, candidates will be prompted to submit a Letter of Application, a Curriculum Vitae (including the names and addresses of three references), and a Statement of Teaching Philosophy. The application letter should discuss specifically how one's professional experiences and perspectives relate to the needs of the position and of Lenoir-Rhyme University. (The University's mission, vision, and values statements may be reviewed at: <http://www.lr.edu/about>.) To ensure full review, completed applications should be submitted by October 14, 2018. Applications will be accepted until the position is filled.

Louisiana State University

ASSISTANT PROFESSOR

(Tenure-Track)

Stephenson Department of Entrepreneurship & Information Systems (and) Center for Computation and Technology

The Stephenson Department of Entrepreneurship & Information Systems in the E. J. Ourso College of Business at Louisiana State University (LSU)-Baton Rouge invites applications for a tenure-track assistant professor position beginning August 2019. The target focus is on cyber risk and closely related areas. Candidates with a strong background in cyber risk or applied cybersecurity, including digital forensics, malware analysis, intrusion detection, cyber operations, or penetration testing are particularly welcome. The position is jointly with the LSU Center

for Computation and Technology (CCT). For more information regarding this position, please refer to URL <https://lsusystemcareers.lsu.edu>.

LSU includes institutions, facilities and programs in each of Louisiana's 64 parishes, and its campuses stretch the length of the state from New Orleans to Shreveport. Each institution plays a vital role in preparing students to incorporate new knowledge and technologies into their daily lives. In implementing its mission, LSU is committed to: Offering a broad array of undergraduate degree programs and extensive graduate research opportunities designed to attract and educate highly qualified undergraduate and graduate students; Employing faculty who are excellent teacher-scholars, nationally competitive in research and creative activities, and who contribute to a world-class knowledge base that is transferable to educational, professional, cultural, and economic enterprises; and Using its extensive resources to solve economic, environmental, and social challenges.

Responsibilities: Responsibilities include establishing a vigorous, externally funded research program, publishing in highly ranked journals and conference proceedings, supervising graduate students, and teaching graduate and undergraduate courses in the applicant's area of specialization, and serving on committees in the E. J. Ourso College of Business, CCT, and professional societies. The position will be 50% teaching and 50% research and service.

Required Qualifications: The successful applicant will possess a Ph.D. in Information Systems or other relevant discipline, a record of published research, will have the ability to attract funding and foster interdisciplinary collaborations. Applicants who are A.B.D. will not be considered. Women and minorities are strongly encouraged to apply.

An offer of employment is contingent on a satisfactory pre-employment background check. The search committee will begin reviewing the applications when this ad is posted and will continue to do so until a candidate is selected. Inquiries should be directed to Search Committee: sdeis@lsu.edu (insert "Cyber Risk Faculty Search Committee" in the subject line of the email inquiry).

LSU IS AN EQUAL OPPORTUNITY/EQUAL ACCESS EMPLOYER

Quick link at ad URL: https://lsu.wd1.myworkdayjobs.com/LSU/job/LSU---Baton-Rouge/Assistant-Professor---Cyber-risk_R00028728

Loyola University Chicago

Assistant Professor in Cybersecurity

Loyola University Chicago (LUC), College of Arts and Sciences, Department of Computer Science invites applications for a full-time, tenure-track position at the rank of Assistant Professor in Cybersecurity for the academic year 2019-2020. For more information about the department, please visit <http://www.cs.luc.edu>.

By the start of the academic year (2019-2020), candidates must possess a PhD degree in computer science, computer engineering, or a related discipline. They also must have strong records in both research and teaching at the undergraduate and/or graduate levels. We encourage candidates in all areas of computer science/engineering to apply, but especially welcome candidates with a strong background in cybersecurity and privacy. The candidate should be willing to support the mission of LUC and the goals of a Jesuit Catholic Education.

Further details regarding this position can be found at: <http://www.careers.luc.edu/postings/9369>. Review of applications will begin November 15, 2018 and continue until the position is filled.

Loyola University Chicago is an Equal Opportunity/Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty. The University seeks to increase the diversity of its professoriate, workforce and undergraduate and graduate student populations.

Marquette University

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

The Department of Mathematics, Statistics and Computer Science of Marquette University invites applications for two tenure-track Northwestern Mutual Assistant Professor positions in computer science to begin in August 2019

within the new Department of Computer Science (on track to launch in Fall 2019). The Department seek individuals with a doctorate by time of appointment in computer science or a closely related field, whose area of expertise addresses one of the many facets of the broadly defined areas in data science and big data. Examples include data-focused research in machine learning, computational biology/bioinformatics, data science foundations/algorithms, security, visualization, human computer interaction, cloud computing, and mHealth/global health. Candidates with research in other areas with similar data science emphasis will be considered and are encouraged to apply. Exceptional candidates with research interests in other areas related to computer science will also be considered. Preference will be given to applicants whose strong research record demonstrates potential for establishing an externally funded research program, and who can contribute to the proposed Ph.D. program in Computer Science and the current Ph.D. program in Computational Sciences. Furthermore, candidates should demonstrate the ability to teach at the undergraduate and the graduate levels, and have excellent oral, written, and interpersonal skills.

The Department highly regards and encourages interdisciplinary research in both academia and industry. Marquette University has experienced significant growth in Computer Science, Data Science, and affiliated areas. Marquette has recently partnered with Northwestern Mutual on a \$40 million venture to

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

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

For more information, or to apply for the positions, please see the listing on Marquette University's electronic recruitment system: <http://employment.marquette.edu/postings/10165>.

Formal review of applicants will begin on November 2, 2018 and will continue until the positions are filled.

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

Max Planck Institute for Software Systems (MPI-SWS)

Tenure-track Faculty Position

Applications are invited for tenure-track faculty in all areas of computer science. Pending final approval, we expect to fill one position.

A doctoral degree in computer science or related areas and an outstanding research record are required. Successful candidates are expected to build a team and pursue a highly visible research agenda, both independently and in collaboration with other groups.

MPI-SWS is part of a network of over 80 Max Planck Institutes, Germany's premier basic-research organisations. MPIs have an established record of world-class, foundational research in the sciences, technology, and the humanities. The institute offers a unique environment that combines the best aspects of a university department and a research laboratory: Faculty enjoy full academic freedom, lead a team of doctoral students and post-docs, and have the opportunity to teach university courses; at the same time, they enjoy ongoing institutional funding in addition to third-party funds, a technical infrastructure unrivaled for an academic institution, as well as internationally competitive compensation.

The institute is located in the German cities of Saarbruecken and Kaiserslautern, in the tri-border area of Germany, France, and Luxembourg. We maintain

an international and diverse work environment and seek applications from outstanding researchers worldwide. The working language is English; knowledge of the German language is not required for a successful career at the institute.

Qualified candidates should apply on our application website (apply.mpi-sws.org). To receive full consideration, applications should be received by December 1st, 2018.

The institute is committed to increasing the representation of women and minorities, as well as of individuals with physical disabilities. We particularly encourage such individuals to apply. The initial tenure-track appointment is for five years; it can be extended to seven years based on a midterm evaluation in the fourth year. A permanent contract can be awarded upon a successful tenure evaluation in the sixth year.

Michigan State University

Chairperson

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

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

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

Michigan State University

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

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

The Department is looking for highly motivated applicants who can complement the department's strength and expertise. Cluster hires will also be considered. Candidates must have an earned PhD in computer science or a related field. Tenure-system Computer Science faculty are expected to establish a vibrant, sustainable and internationally visible research program;

make significant scholarly contributions to their discipline; be an effective teacher and mentor of both undergraduate and graduate students; and engage in institutional and professional service as well as public outreach.

The Department has strong research programs in all major areas of Computer Science and Engineering. The department has accredited B.S. degree programs in Computer Science and Computer Engineering. There are currently over 170 graduate students and 1,400 undergraduate students in the department. Department faculty are actively involved in leading several national-level centers, including BEACON, an NSF Center that is headquartered at MSU for the study of evolution in action. MSU's annual research expenditure is around \$600M. University researchers and scholars are internationally renowned and are facilitating broad social, economic and technological impact.

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

MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>

Interested individuals should submit their application through <http://careers.msu.edu> and refer to position #532893. Applicants must submit (a) a cover letter summarizing their qualifications and highlighting up to five prominent works, (b) a detailed resume, (c) two vision statements: one describing your planned research program, and the other describing your teaching philosophy, including mentoring, outreach, and promoting a diverse and inclusive environment, and (d) the names and contact information for at least three references. For full consideration, applications should be received before November 15, 2018. Applications will be reviewed on a continuing basis thereafter until all positions are filled. Nominations or questions are welcome by contacting the search committee chair at faculty-search-chair@cse.msu.edu

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

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

Michigan State University

Professor - Tenure System

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

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

Exceptional candidates from all areas of deep learning will be considered, including those candidates with interests in artificial neural networks, convolutional

neural networks, geometric and graph based deep learning, generative models, recurrent neural networks, theoretical foundation, and other areas. The successful candidate, regardless of specific research area, will be one who seeks to extend the boundaries of deep learning methods on a fundamental level. Additionally, the applicant should pursue one or more application specific domains, such as biomedical imaging, inverse problems, autonomous driving, cybersecurity, and materials science, amongst others. The ideal candidate should document high quality publications of research at premier peer-reviewed journals and conferences across deep learning and related application areas.

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

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value

on education. Michigan State University is proactive in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>. Information about WorkLife at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>.

Interested individuals should submit an application for this position through: <http://careers.msu.edu> and refer to job #535152. Applicants must submit a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and contact information for at least three references. We will begin reviewing the applications starting from November 15, 2018. For full consideration, applications must be received before December 15, 2018. Applications will be reviewed on a continuing basis thereafter until the position is filled. Nominations or questions are welcome by contacting the search committee chair through email at cmsechr@msu.edu. The position is available starting from August, 2019.

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

MSU is an affirmative action, equal opportunity employer and is committed to achieving excellence through cultural diversity. The university

actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

Michigan Technological University

Tenured/Tenure-Track Faculty Position

Applications are invited for a tenure-track faculty position at the Assistant/Associate Professor level beginning August 2019. We are interested in exceptional applicants from all areas of computer science. We have a particular interest in the areas of intelligent and trustworthy computing.

While the candidate's sub-area of specialization within computer science is important, greater emphasis is placed on the candidate's potential for original research. The successful candidate will act both as an innovative contributor to, as well as a bridge among, our existing areas of strength: architecture, artificial intelligence, cloud computing, cybersecurity, data science, distributed systems, embedded and multimedia systems, graphics and visualization, human computer interaction, machine learning, software engineering and virtual environments. Women and underrepresented minorities are particularly encouraged to apply.

Candidates must demonstrate potential for excellence in research and teaching

and must have a Ph.D. in Computer Science or a closely related field. Apply online by submitting a cover letter, curriculum vitae, teaching statement, research statement, and the names of at least three references at <https://www.jobs.mtu.edu/postings/7312>. Contact cs-search@mtu.edu or visit <http://www.mtu.edu/cs> for further information.

Michigan Tech is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM. Michigan Tech is an EOE which includes protected veterans and individuals with disabilities. Michigan Tech acknowledges the importance of supporting spouses/partners in attracting and retaining a quality workforce (see <https://www.mtu.edu/provost/programs/partner-engagement>).

Milwaukee School of Engineering (MSOE)

Computer Science Faculty

The Electrical Engineering and Computer Science (EECS) department at the Milwaukee School of Engineering (MSOE) seeks applicants to fill multiple CS Faculty Positions at all ranks. MSOE expects, rewards, and supports a strong primary commitment to excellence in teaching.

The EECS department offers an undergraduate degree in CS with a focus on artificial intelligence as well as an established software engineering (SE) undergraduate degree. Significant investments are being made to support

MSOE's academic mission including the construction of the \$34M Dwight and Dian Diercks Computational Science Hall that will house the SE and CS programs.

Candidates with expertise in any field of CS or SE are encouraged to apply. Applicants must have an earned doctorate degree in a computing field by the beginning date of the appointment, and proficiency in oral and written communication is required.

To apply to this position, please visit <https://www.milwaukeejobs.com/j/33841216>

It is the policy of MSOE to provide equal employment opportunity to all individuals regardless of their race, ethnicity, color, creed, religion, sex, age, national origin, physical or mental disability, military and veteran status, sexual orientation, gender identity, genetic characteristics, marital status or any other characteristic protected by local, state or federal law.

This policy applies to all jobs at the University and to all the terms, benefits, and conditions of employment/enrollment.

Montana State University

Assistant or Associate Professor, or Assistant Teaching Professor

Montana State University's Gianforte School of Computing in beautiful Bozeman, Montana invites applications for (1) a tenure-track Assistant or Associate Professor of Computer Science and (2) a non-tenure track instructional position.

For complete job announcement and application procedure, please visit cs.montana.edu/opportunities.html.

Equal Opportunity Employer, Veterans/Disabled.

National University of Singapore

Research Fellow (Postdoc) in Computer Architecture and Secure Systems-on-a-Chip

At the School of Computing at the National University of Singapore, we are looking for enthusiastic, motivated researchers for a recently started 5-year research project funded by the Singapore National Research Foundation called SOcure. The grand-goal is to assure hardware security by design in SoCs, focusing on scalable solutions with minimal area/energy overhead.

Candidates should possess experience or interest in the following areas:

- Hardware and Systems Security
- Computer Architecture
- Energy Efficient SoC Design
- Simulation Methodologies (Cycle-level Microarchitecture Simulation)



Open-Rank Faculty Positions in Computer Science Missouri University of Science and Technology Rolla, Missouri

<https://cs.mst.edu/>

The Computer Science Department at Missouri S&T is seeking outstanding applicants for multiple open-rank tenure-track/tenured (TT) faculty positions in all areas of Computer Science. Preference will be given to applicants who can contribute to the department's areas of strength such as cyber-physical systems, cyber security, data science, and artificial intelligence. Successful candidates will be expected to have strong commitments to (a) contributing to the departmental and college research efforts, (b) high-quality teaching both at the undergraduate and graduate levels, (c) service in the applicant's professional community and our institution, and (d) increasing the diversity of both the student body and faculty. Applicants must hold a Ph.D. in Computer Science or a closely related field by the appointment start date. Missouri S&T's Computer Science Department has a proud 50+ year history of positively impacting society through ground-breaking research, and advancing the quality and breadth of its educational mission, granting an ABET-accredited BS, as well as MS and PhD degrees. Further details on required and desired attributes, skills and characteristics of the successful candidate, and the department's vision and strategic plan, activities, and research may be found at: <https://cs.mst.edu>.

Interested candidates should electronically submit their application consisting of: 1) a cover letter, 2) a current curriculum vitae, 3) a research statement, 4) a teaching statement, 5) a diversity statement, and 6) complete contact information for at least four references to Missouri S&T's Human Resources Office at: <http://hr.mst.edu/careers/academic/> using Job Opening Reference Number 27964. Acceptable electronic formats are PDF and MS Word. Applications will be reviewed as they are received and the review of applications will continue until the position is filled. For full consideration, applicants must apply by November 25, 2018. For more information prior to submitting an application, please contact the Search Committee Chair, Dr. Daniel Tauritz, at: tauritzd@mst.edu.

Missouri S&T is an AA/EEO employer and does not discriminate on the basis of race, color, national origin, ancestry, religion, sex, pregnancy, sexual orientation, gender identity, gender expression, age, disability, protected veteran status, or any other status protected by applicable state or federal law. Females, minorities, and persons with disabilities are encouraged to apply. Missouri S&T seeks to meet the needs of dual-career couples. The university participates in E-Verify. For more information on E-Verify, please contact DHS at: 1-888-464-4218.

To apply or find out more information, visit: <https://academicjobsonline.org/ajo/jobs/12336>

NEC Laboratories America, Inc.

Data Scientist - Data Science & Systems Research

NEC Laboratories America, Inc. is a vibrant industrial research center, conducting

research in support of NEC's U.S. and global businesses. Our research program covers many areas, reflecting the breadth of NEC business, and maintains a balanced mix of fundamental and applied research.

The Data Science and System Research Department (<http://www.nec-labs.com/research-departments/data-science-systems-research/data-science-systems-research-home>) performs research on all aspects of data analytics and mining. We are creating innovative analytics from big data to simplify and automate the operation of complex physical systems (e.g., automobiles, power plants, smart city etc.), as well as large-scale IT systems and services. We have several ongoing big data analytics projects including massive time series modeling, heterogeneous data analysis, and large scale graph mining etc. Our group brings together experts in machine learning, artificial intelligence, data mining, statistics, signal processing, pattern recognition and big data processing systems. We build technologies to solve real world problems and grow NEC's business. Our research leads to both award-winning NEC products/solutions and numerous publications in top conferences.

Currently, the group is seeking data scientists to work in the area of data analytics and mining for complex systems. The ideal candidate is expected to analyze massive amount of monitoring data from complex physical and IT systems to model and analyze their complex behaviors. He/she must have:



Tenure-track and Tenure Faculty Positions in Computer Science/Computer Engineering

The School of Computer Science and Engineering (SCSE) is proud to have established an international reputation as one of the top Computer Science and Computer Engineering departments globally. This success is largely attributed to our unique blend of expertise in computer science and engineering which provides a conducive environment for faculty to pursue impactful interdisciplinary research.

SCSE invites qualified academics who possess a PhD in related disciplines to apply for a number of tenure-track and tenure positions at all levels in Computer Science or Computer Engineering. We seek individuals with exceptional promise for or a proven record of research achievements within their chosen field of research. They should also be able to demonstrate strong ability for good undergraduate and graduate level teaching. Candidates must have vision and an interest in defining the research frontier as well as educating our next-generation of young leaders in this rapidly evolving field. Candidates should also demonstrate the ability to combine theoretical knowledge with practical development of computational solutions and systems. Research areas that are of particular relevance to the school include but not limited to the following areas:

- **Artificial Intelligence**
- **Data Science and Analytics**
- **Cyber Security**
- **Cyber Physical Systems**
- **High Performance and Distributed Systems**

We are specifically looking for upcoming researchers with domain experience in applications areas such as **Blockchain, Fintech, Intelligent Robotics, Smart Service Productivity, Smart Manufacturing, Visualization, Healthcare, Hyperconnectivity & IoT and Security & Privacy**.

Successful applicants will find NTU to be a stimulating environment conducive to professional growth and interdisciplinary collaborative research.

The University offers competitive remuneration package commensurate with qualifications and experience, and comprehensive benefits. For further information about the School of Computer Science and Engineering, please refer to www.scse.ntu.edu.sg.

To apply, please refer to the Guidelines for Submitting an Application for Faculty Appointment (<http://www.ntu.edu.sg/ohr/career/submit-an-application/Pages/Faculty-Positions.aspx>) and send your application to SCSEHR@ntu.edu.sg. Electronic applications are preferred.

Review of applications will commence immediately. As such, applicants are strongly encouraged to apply early in order to be considered before all available positions are filled. Applicants must state which of the aforementioned areas they are applying for when submitting their applications. Only shortlisted candidates will be notified.

Closing Date: 1 December 2018

- B.S. degree or higher in Statistics, Applied Math, Computer Science, Engineering or other quantitative program
- Good knowledge in data structures and algorithms, probability and statistics, machine learning and data mining
- Proficient in at least one of the data analysis tools such as R, Python (Numpy/ Scikit-learn.), Weka, and so on
- US citizenship (preferred) or US permanent residency

NEC Laboratories America is located in Princeton, NJ, home of Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean. For more information about NEC Labs, access www.nec-labs.com and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=2153719.

EOE-M/F/V/D

NEC Laboratories America, Inc.

Researcher - Data Science

NEC Laboratories America (www.nec-labs.com/) conducts research in support of NEC's US and global business. Our lab has a broad research program that covers many areas and maintains a balance of fundamental and applied research.

The Data Science Department (www.nec-labs.com/research-departments/data-science/data-science-home) performs research on all aspects of data analytics and mining. We are creating innovative analytics from big data to simplify and automate the operation of complex physical systems (e.g., automobiles, power plants, smart city etc.), as well as large-scale IT systems and services. We have several ongoing big data analytics projects including massive time series modeling, heterogeneous data analysis, and large scale graph mining etc. Our group brings together experts in machine learning, artificial intelligence, data mining, statistics, signal processing, pattern recognition and big data processing systems. We build technologies to solve real world problems and grow NEC's business. Our research leads to both award-winning NEC products/solutions and numerous publications in top conferences.

Our group is looking for multiple researchers to work in the areas of artificial intelligence, machine learning and data mining. The ideal candidates must have expertise in one of the above areas, and can develop algorithms to analyze massive data and build innovative applications. He/she must have a PhD in CS/CE with a strong publication record in at least one of the following areas:

- Machine learning and AI (Especially neural networks and deep learning)
- Data mining and statistical learning
- Time series analysis and prediction
- Text mining and information retrieval

- Graph and information network mining
- Large scale optimization and learning
- Signal processing, image processing and computer vision

NEC Labs is located in Princeton, NJ, home of Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean. For more information about NEC Labs, access www.nec-labs.com and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=2154125.

EOE-M/F/V/D

New Mexico State University

Assistant Professor - Tenure Track

The Computer Science Department at New Mexico State University invites applications for two tenure-track positions at the Assistant Professor level, with appointment starting in the Fall 2019 semester. We are seeking strong candidates with research expertise that can effectively complement the research foci of the department. An earned PhD degree in Computer Science or a closely related field is required at the time of appointment. Candidates with focus in data science, software engineering, artificial intelligence, machine learning, cyber-physical systems, cyber-security

are encouraged to apply. However, exceptional candidates with strong background in other areas of Computer Science will also be considered. Applications from women, members of traditionally under-represented groups, and other individuals interested in contributing to the diversity and excellence of the academic community are strongly encouraged. Salary and start-up package will be competitive.

A completed application will include a letter of interest, a statement of teaching and research philosophy, a curriculum vitae, copies of transcripts, and three professional references.

To obtain more information about the positions and to apply, visit <https://jobs.nmsu.edu/postings/32903> and <https://jobs.nmsu.edu/postings/32904>

New Mexico State University is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer.

New York University

TENURE-TRACK POSITIONS IN COMPUTER SCIENCE

The Computer Science department expects to have several regular faculty positions and invites candidates at all levels to apply. We will consider outstanding candidates in any area of computer science, in particular in verification, programming languages, and machine learning for healthcare.

Faculty members are expected to be

outstanding scholars and to participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages. In addition, we fully expect to secure affordable housing for the appointees within a short walking distance of the department. New York University is located in Greenwich Village, one of the most attractive residential areas of Manhattan.

The department has 40 regular faculty members and several clinical, research, adjunct, and visiting faculty members. The department's current research interests include algorithms, cryptography and theory; computational biology; distributed computing and networking; graphics, vision and multimedia; machine learning and data science; natural language processing; scientific computing; and verification and programming languages.

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

Please apply at <https://apply.interfolio.com/55397>

For full consideration we recommend that applicants apply by December 1, 2018, though we will continue to review applications past that date as needed.

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

North Carolina State University

Department of Computer Science Networking Faculty Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position in the area of Networking starting August, 16, 2019. Areas of special interest include networking in support of smartcities and smartcommunities, in support of datacenters and edge/core/fog cloud computing, virtualization of networks and virtualization using networks, network measurement, analytics, and forensics, network architecture and design for 5G, mmWave, THz, and other emerging technologies and standards.

Successful candidate must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field. While the department expects to hire at the Assistant Professor level, candidates with exceptional research records are encouraged to apply for a senior position. The department is one of the largest and oldest in the country. It is part of NCSU's College of Engineering. The department's research expenditures and recognition have been growing steadily. For example, we have one of the largest concentrations in the country of

prestigious NSF Early Career Award winners (29 of our current or former faculty have received one).

NCSU is located in Raleigh, the capital of North Carolina, which forms one vertex of the world-famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. Our department is the single largest source of fresh out-of-school employees in the world for two of the largest companies in the Information Technology space, both of which are among our Super E-Partners, have representatives serving on our Strategic Advisory Board, and fund multiple faculty members with industry research grants every year. NCSU also offers unparalleled opportunities for cross-discipline collaboration. We currently house not one but two active NSF Engineering Research Centers. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S., being multi-year winners of the Fortune magazine award for best places to work, and to bring up a family. We enjoy outstanding public schools, affordable housing, and great weather, all in easy driving distance to the mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified.

Applicants are encouraged to apply by December 15, 2018. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00003985) cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised here at <http://www.csc.ncsu.edu/>. Inquiries may be sent via email to: csc-networking-search@lists.ncsu.edu.

NCSU is an equal opportunity and affirmative action employer. In addition, NCSU welcomes all persons without regard to sexual orientation or genetic information. Individuals with disabilities desiring accommodations in the application process should contact (919) 515-3148.

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

NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

North Carolina State University

Department of Computer Science Software Engineering Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position in the area of Software Engineering starting August, 16, 2019. Areas of special interest include software requirements, software testing+analysis, empirical studies, artificial intelligence for software engineering, search-based software engineering, formal methods, and software engineering aspects of emerging topics such as autonomous and adaptive systems, sociotechnical systems, social computing, cognitive issues in software engineering, security, privacy, cloud computing, and service-orientation. A successful candidate would complement the capabilities of the current SE faculty. A successful candidate must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field. While the department expects to hire at the Assistant Professor level, candidates with exceptional research records are encouraged to apply for a senior position.

The Department, part of NC State's College of Engineering, is one of the largest and oldest in the country. The department's research expenditures

and recognition have been growing steadily. For example, we have one of the largest concentrations in the country of prestigious NSF Early Career Award winners (24 of our current or former faculty have received one). Further, we are widely recognized as a highly diverse department, having the most female tenure-track faculty of any computer science department in the country.

NC State is located in Raleigh, the capital of North Carolina, which forms one vertex of the world-famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, farmer markets and festivals, and great weather - all in the proximity to the mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number - 00001080) cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail

about the position advertised here at <http://www.csc.ncsu.edu/>. Inquiries may be sent via email to: csc-se-search@lists.ncsu.edu.

NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran.

Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148.

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

NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

Northeastern University

Assistant/Associate/Full Professor - Tenured/Tenure Track

Position Summary:

The College of Computer and Information Science invites applications for several

tenure-track and tenured faculty positions, beginning in Fall 2019. Applicants at all ranks will be considered. Candidates will be considered from all areas in Computer, Data and Information 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

Qualifications

A PhD in Computer Science, Information Science or a related field is required by the start date.

Additional Information

The College has a diverse full-time faculty of 68, and offers a broad array of 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. The College offers 4 undergraduate degrees (CS, IS, Data Science and Cyber Security); 6 MS degrees (CS, Health Informatics, Health Data Analytics, Data Science, Cyber Security, and Artificial Intelligence) and 4 PhD degrees (CS, Network Science, Personalized Health Informatics, and Information Assurance). Several of these are interdisciplinary degrees with other Colleges at Northeastern. In addition, 16 faculty members have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Chemistry, Physics, Political Science, Psychology,

Business, Mathematics, and Law. CCIS faculty members are integral parts of Northeastern University's multidisciplinary institutes including the Network Science Institute and the newly formed Cybersecurity and Privacy Institute.

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

Northeastern University is home to 35,000 full- and part-time degree 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. The College has been a major participant in this initiative and will continue the efforts this year, with additional interdisciplinary searches ongoing in related areas. For more information about the College, please visit <http://www.ccis.northeastern.edu/>. Northeastern University is located on the Avenue of the Arts in Boston's historic Back Bay. The College occupies a state of the art building opposite Boston's Museum of Fine Arts.

Additional information and instructions for submitting application materials may be

found at the following web site: <https://neu.peopleadmin.com/postings/search>.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2018. However, applications will be accepted until the search is completed.

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by the law. Northeastern University is an E-Verify Employer.

Northeastern University

INTERDISCIPLINARY FULL PROFESSOR & DIRECTOR OF DIGITAL HEALTH INITIATIVE

Northeastern University seeks a strategic and collaborative individual to lead its research and academic programs in the area of consumer-oriented digital health. This person will have an outstanding reputation in a field related to consumer health technology, including but not limited to, health data analytics, human-computer interaction, or health and wellness. This position will build upon the momentum of Northeastern University's existing portfolio of unique research and educational programs in digital health to create an internationally-recognized, University-wide initiative conducting research in, and

preparing students for, the future of digital health. Existing Northeastern research programs are focused on personal health informatics, mHealth, health data analytics, and AI-based interventions and are led by faculty members based in colleges throughout the University. Innovative, interdisciplinary educational efforts include a doctoral program in personal health informatics, two master's degree programs in health informatics and health data analytics, and undergraduate joint degree programs related to digital health. The Director of Digital Health will lead the creation of new Boston-area, regional, and worldwide research and educational partnerships with hospitals and health service providers, medical and health professional schools, payers and health portfolio managers, government agencies, and community health advocacy organizations. Candidates for this position should have senior administrative experience, lead an independently-funded research program of international caliber, and participate in teaching.

Northeastern has identified health as one of three major University-wide interdisciplinary strategic initiatives, and the University is investing heavily in interdisciplinary health research. Northeastern has made strategic faculty hires in the last few years in personal health informatics, data science and data visualization (with a health data emphasis), health systems, bioinformatics, health policy, urban health, population health, health equity, and health administration. The efforts of the Director of Digital Health will be supported

jointly by the College of Computer and Information Science (CCIS) and the Bouvé College of Health Sciences (Bouvé). The position will report directly to the Dean of CCIS and the Chair of the Department of Health Sciences in Bouvé.

Screening of applications begins immediately. Salary will be commensurate with education, training, and experience and includes an outstanding benefits package. For full consideration, application materials should be received by December 1, 2018. However, applications will be accepted until the search is completed.

QUALIFICATIONS:

Credentials must be commensurate with appointment as a full professor and administrator, scholar, and researcher in an area related to digital health (personal health informatics, health data analytics, mHealth, precision medicine, remote care, self-care, etc.). Applicants must hold a PhD in computer science, public health, or a closely related field to one of the above-listed areas of expertise. Applicants must also demonstrate the following qualifications:

- Stellar history of extramural funding for interdisciplinary work from a diverse set of agencies (i.e., governmental, private foundations, and/or commercial organizations)
- Ability to develop, lead, and evaluate educational programming
- Entrepreneurial spirit and desire to establish and implement a vision with a growth plan for a new University-wide

initiative

- Ability to recruit and orient faculty and staff to fulfill a common vision
- Collaboration and teamwork skills working within and across organizations
- Strong ability to lead, direct, and manage research groups
- Skillful strategic visioning, planning and implementation abilities
- Experience and commitment to fostering diverse and inclusive environments as well as promoting experiential learning, which are both central to the University's educational mission

ADDITIONAL INFORMATION:

Founded in 1898, Northeastern University is on an exciting trajectory of growth and innovation. The University is a leader in inter-disciplinary research, urban engagement, experiential learning, and the integration of classroom learning with real-world experience. Northeastern University has an enrollment of more than 17,000 undergraduate and 7,000 graduate students and has approximately 4,300 faculty and staff. Over the past decade, Northeastern has experienced a dramatic increase in international recognition resulting from its innovative research and educational programs. These programs have fostered a fast-paced and entrepreneurial environment. An outcome of the dynamic transformation of Northeastern University is a rapid rise in the U.S. News and World Report's rankings of top 100 U.S. research universities (to #44 in 2018).

The College of Computer and Information Science (CCIS) has hired 49 tenured/tenure-track faculty since 2012 and plans to continue this strategic growth. It offers undergraduate and graduate degrees in computer science, information science, and data science. Fourteen of the 66 faculty members hold interdisciplinary appointments across seven other colleges. CCIS has approximately 1,900 undergraduates and 1,800 graduate students, and has an underlying mission best captured by the phrase "CS for Everyone." CCIS leads major research efforts in interdisciplinary disciplines with connections to digital health such as network science, cybersecurity, and game design.

The Bouvé College of Health Sciences offers four undergraduate programs and over 34 graduate programs with schools and departments that span public health to allied health professions including physical therapy, applied psychology, nursing, and pharmacy. The college has an interdisciplinary emphasis that reflects today's team-based approach to health care, with over 200 faculty members, and approximately 2,000 undergraduate and 2,400 graduate students.

Northeastern University is situated on the Avenue of the Arts in Boston's historic Back Bay in the heart of downtown Boston, four blocks from the Longwood Medical Area, encompassing world-class medical institutions such as Harvard's Medical School, Children's Hospital Boston, the Dana-Farber Cancer Institute, Brigham & Women's Hospital, and the Beth Israel

Deaconess Medical Center. Northeastern is eight blocks from the Boston Medical Center, Boston's safety-net hospital and Level I trauma center.

How to Apply

Applicants should submit the on-line application with a cover letter of interest and curriculum vitae, and evidence of the candidate's ability to mentor students from diverse backgrounds at <https://neu.peopleadmin.com/postings/57343>. Questions concerning the position or process for submitting an application can be directed to Professor Stephen Intille at s.intille@northeastern.edu.

Northeastern University Equal Employment Opportunity Policy:

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by the law. Northeastern University is an E-Verify Employer.

Northeastern University

Open Rank-Mathematics and Data Science

Position Summary

The College of Computer and Information Science and the Department of Mathematics, in the College of Science, at Northeastern University invite

applications for an open tenure track/tenured faculty position at all levels, in Mathematics and Data Science, beginning in Fall 2019.

Northeastern University seeks to build excellence in the area of Mathematics of Data in the Life Sciences. The rationale is to expand the University's existing strength in related areas of the College of Science, and the College of Computer and Information Science, and address the rapidly growing need for the development of new mathematical techniques to process the immense trove of scientific data which have become available in the Life Sciences.

Appointments will be based on exceptional research contributions at the interface between Mathematics and Computer Science combined with a strong commitment and demonstrated success in teaching.

Outstanding candidates from all areas in Computer and Data Science, Probability and Statistics, Topological Data Analysis, and Discrete and Computational Mathematics will be considered.

Qualifications

A Ph.D. in Computer Science, Mathematics or a closely related field to one of the above-listed areas of expertise by the start date is required. Successful candidates are expected to have or to develop an independently funded research program of international caliber and demonstrated evidence of excellent teaching in undergraduate and graduate courses.

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

Additional Information

Northeastern University is home to 35,000 full- and part-time degree 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. The College of Computer and Information Science and the College of Science have been major participants in this initiative and will continue their efforts this year, with additional interdisciplinary searches ongoing in related areas. For more information about the College of Computer and Information Science, please visit <http://www.ccis.northeastern.edu>, and for the College of Science, please visit <http://www.northeastern.edu/cos/>. The College of Science is strongly committed to fostering excellence through diversity and enthusiastically welcomes nominations and applications from members of groups that have been, and continue to be, underrepresented in academia.

Additional information and instructions for submitting application materials may be found at the following web site: <https://>

neu.peopleadmin.com/postings/search.

Candidate materials include a cv, cover letter, teaching statement, research statement, up to three publications, a statement on diversity and inclusion (added to the link for 'other'), and the names and contact information for three references.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2018. However, applications will be accepted until the search is completed.

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by the law. Northeastern University is an E-Verify Employer.

Northern Kentucky University

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

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

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

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

Oak Ridge National Laboratory

Division Director- Computational Sciences and Engineering Division

Oak Ridge National Laboratory (ORNL) is seeking outstanding candidates for the position of Director of the Computational Science and Engineering Division. The CSE Director reports to the Associate Laboratory Director (ALD) for Computing and Computational Sciences and is responsible for the organization's technical leadership, operation and management. In concert with the CSE Division staff and with broad national and international collaboration, the successful candidate will create and execute an imaginative and far-sighted research program that will define long-term directions for high-end computing for the laboratory and the nation.

ORNL provides exceptional researchers with distinctive equipment and unique facilities to solve some of the nation's most compelling challenges. As the largest US Department of Energy (DOE) open science laboratory, ORNL's mission is to deliver scientific discoveries and technical breakthroughs that

will accelerate the development and deployment of solutions in clean energy and global security while creating economic opportunities for the nation.

More information about ORNL and the CSE Division visit, <http://www.ornl.gov> and <https://www.ornl.gov/division/csed>.

For a complete job description and to apply, visit <http://jobs.ornl.gov>.

Technical questions may be sent to Arthur Maccabe, maccabeab@ornl.gov.

ORNL is an equal opportunity employer committed to building and maintaining a diverse work force.

Oberlin College and Conservatory

Assistant Professor of Computer Science

The Computer Science Department at Oberlin College invites applications for a full-time, tenure track faculty position in the College of Arts and Sciences to begin Fall 2019.

To be assured of consideration, submit a letter of application, a curriculum vitae, teaching and research statements, graduate academic transcripts, and at least three recent letters of reference* to <https://academicjobsonline.org> by December 3, 2018.



THE OHIO STATE UNIVERSITY

COLUMBUS, OH

Lecturer/Senior Lecturer

The Ohio State University is seeking highly qualified and skilled Lecturers and Senior Lecturers to support the teaching mission of the Department of Computer Science and Engineering. Lecturers and Senior Lecturers are responsible for teaching introductory and advanced undergraduate courses in all areas of Computer Science from software engineering to algorithms to computer architecture and AI. The current teaching load for full-time lecturers is roughly seven courses over the fall and spring semesters combined. Summer teaching may also be available, depending on demand. Teaching schedules are flexible. The positions are full-time and non-tenure-track. Appointment level and salary will depend on the candidate's qualifications and experience.

For full details, please see:

<http://www.cse.ohio-state.edu/department/positions.shtml>

Required:

An MS in Computer Science or Mathematics is required; appointment as Senior Lecturer requires a PhD in Computer Science or Mathematics or extensive relevant experience. Applicants with mathematics degrees should have a background in combinatorial or applied mathematics. Excellent teaching abilities are essential.

Applicants should submit a letter of application, teaching statement and philosophy (to include types of classes you can and are most interested in teaching), and a current CV, and arrange for three letters of reference that focus on the applicant's teaching abilities and interests to be submitted electronically to Dr. Raphael Wenger c/o Kathryn Reeves at reeves@cse.ohio-state.edu

Please include, in your application, the following:

- 1) Are you a US citizen, permanent resident, or authorized to work lawfully in the United State? [] Yes or [] No (choose one)
- 2) Will you now or in the future require sponsorship for employment visa status (e.g., H1-B visa status)? [] Yes [] No (choose one)

Applications that do not include this information will not be considered. Applications will be reviewed immediately until all positions are filled.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or gender identity, national origin, disability status, or protected veteran status.

Systems (Cyber Physical Systems/Cyber Security) and related areas. An earned Ph.D. in Computer Science or a closely-related field from an accredited institution is required at the time of appointment. The position is for the main OSU campus in Stillwater; however, duties may be assigned in either the OSU-Stillwater campus, the OSU satellite campus in Tulsa, or both.

The OSU Computer Science Department (<http://www.cs.okstate.edu/>) is strongly committed to excellence in research, teaching, and outreach. The Department offers the B.S., M.S., and Ph.D. degrees in Computer Science and has a Graduate Certificate Program in Big Data Analytics. The Department also offers courses to students at remote sites using interactive video and the Internet. There are currently about 276 undergraduate students and about 80 graduate students enrolled in the Department.

Candidates will be evaluated on their demonstrated research record, potential to secure external funding, and continued excellence in research publications. Faculty are expected to pursue research collaborations with other faculty, industry, and research institutions.

One of these positions will be responsible for leading the department's efforts in developing and teaching courses for the new online Computer Science BS degree program.

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

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

Oklahoma State University

*Tenure-Track Assistant
Professor Positions*

The Oklahoma State University (OSU) Computer Science Department is seeking

applications for three tenure-track Assistant Professor positions from candidates with research experience in all areas of Computer Science to begin on August 1, 2019. Priority will be given to applicants with research emphasis in Big Data, Cyber

applications will be considered until the position has been filled. The filing of these position is contingent upon the availability of funding.

A successful faculty candidate should be willing to teach from a multicultural perspective and should demonstrate a commitment to mentoring underrepresented students. Recent departmental diversity statistics for underrepresented undergraduate students are 15% female, 6% African American, 4% Native American, and 4% Hispanic.

OSU is an AA/EEO/E-Verify Employer

OSU-Stillwater is a tobacco-free campus.

Oklahoma State University

Teaching Assistant Professor Positions

The Oklahoma State University (OSU) Computer Science Department is seeking applications for two Teaching Assistant Professor positions to begin on August 1, 2019. Teaching experience in any area of Computer Science is required. Successful candidates must have completed a Ph.D. in Computer Science or a closely-related field from an accredited institution by time of appointment.

The position is for the main OSU campus in Stillwater; however, duties may be assigned in either the OSU-Stillwater campus, the OSU satellite campus in Tulsa, or both

The OSU Computer Science Department (<http://www.cs.okstate.edu>) is strongly committed to excellence in research,

teaching, and outreach. The Department offers the B.S., M.S., and Ph.D. degrees in Computer Science and has a Graduate Certificate Program in Big Data Analytics. The Department also offers courses to students at remote sites using interactive video and the Internet. There are currently about 276 undergraduate students and about 80 graduate students enrolled in the Department.

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

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

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

For full consideration, applications should be received by October 15, 2018; however, applications will be considered until the position has been filled. The filling of these positions is contingent upon availability of funding.

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

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OSU-Stillwater is a tobacco-free campus.

Old Dominion University

Data Science, Cybersecurity and Medical Image Computing

The Department of Computer Science at Old Dominion University is seeking multiple full-time tenure-track faculty members with expertise in interdisciplinary areas of big data, machine learning and high performance scientific computing, cybersecurity, and medical image computing. Outstanding candidates in other areas of computer science will also be considered. The appointment is expected to be made at the Assistant Professor rank with an anticipated start date of July 2019. At the time of appointment, the candidate must have a PhD or equivalent in computer science or related discipline. Exceptional candidates with established research and active funding may be considered at the Associate Professor rank.

Requirements are the potential for success in teaching, research, and obtaining external research grants. Consideration will also be given to candidates demonstrating a potential for collaboration with the current CS faculty or for inter-disciplinary collaboration with other researchers at ODU.

The Department of Computer Science currently has 17 tenured and tenure-track faculty, seven lecturers, and several adjunct faculty. The faculty has research

grant support from agencies such as NSF, NIH, NASA, NEH, the Mellon Foundation, DoD, and DoE, and ODU CS ranks in the top 25% in terms of R&D expenditures among Computer Science departments.

Current research areas span a wide range, with established strengths in high performance scientific computing, data science, bioinformatics, parallel mesh generation, real-time medical image computing, web science, mobile computing, cyber-physical systems, and large-scale video analytics (see <http://cs.odu.edu/> for more information). A vibrant graduate program enrolls 145 graduate students (45 Ph.D. and 100 M.S.) and the undergraduate program has more than 880 majors. Excellent collaborative research opportunities are available at ODU's Center for Cybersecurity Education & Research, and at nearby NASA Langley Research Center, DoE's Thomas Jefferson National Accelerator Facility, National Institute of Aerospace, Eastern Virginia Medical School and Sentara Hospital with state-of-the-art operating room suite for image guided surgery, and the Virginia Modeling Analysis and Simulation Center.

Located in Norfolk, Virginia, Old Dominion University (www.odu.edu) is a state-supported Carnegie Doctoral/Research Extensive institution with approximately 25,000 students and over 850 full-time faculty. Norfolk is a culturally-rich, historic city and a major international maritime center in Hampton Roads, a seven-city metropolitan area of over 1.5 million people.

Interested candidates should visit <https://jobs.odu.edu/> to submit a curriculum vitae, a statement of research activities and future research plans, a statement of teaching philosophy, and contact information for four references. For additional information regarding the positions, please contact Dr. Nikos Chrisochoides, Computer Science Faculty Search Committee Chair, at nchrisoc@odu.edu. The review of applications will begin January 15, 2019 and continue until positions are filled.

ODU and the College of Sciences are committed to inclusive excellence, recognizing that diversity enhances and enriches our educational mission, employment experience, and community engagement. We seek candidates whose research, teaching, and/or service experiences have prepared them to fulfill our commitment to inclusion. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

Old Dominion University is an equal opportunity, affirmative action institution. Minorities, women, veterans and individuals with disabilities are strongly encouraged to apply.

Peking University

*Tenure-track or Tenured
Faculty Positions
Center on Frontiers of
Computing Studies*

The Center on Frontiers of Computing Studies (CFCS), Peking University (PKU), China, is a university new initiative co-founded by Professors John Hopcroft (Turing Awardee) and Wen Gao (CAE, ACM/IEEE Fellow). The center aims at developing the excellence on two fronts: research and education. On the research front, the center will provide a world-class research environment for faculty member development, where innovation and impactful research is the central aim, measured by professional reputation among world scholars, not by counting the number of publications and research funding. On the education front, the center deeply involves the Turing Class, an elite undergraduate program that draws the cream of the crop from the PKU undergraduate talent pool.

The center invites applications for tenured/tenure-track faculty positions. We are seeking applicants from all areas of Computer Science, spanning theoretical foundations, systems, software, and applications, with special interests in artificial intelligence and machine learning.

Applicants are expected to have completed (or be completing) a Ph.D., have demonstrated the ability to pursue a program of research, and have a strong commitment to undergraduate and graduate teaching.



Professional Opportunities



Tenure-track Assistant Professor in Human-Centered Design (HCD)

The College of Information Sciences and Technology (IST) (<http://ist.psu.edu>) at the Pennsylvania State University in University Park, Pennsylvania invites applications for a tenure-track Assistant Professor in Human-Centered Design (HCD) to begin August 2019. We seek exceptional candidates with high quality research and publications to strengthen and complement our current research programs. We are especially interested in areas related to any or all of the following topics: the design of data, algorithms, and interactions that are useful and transparent to people; human-computer interaction (HCI) and design, ubiquitous computing and mobile systems; tangible and embodied interaction; computer-supported cooperative work (CSCW); computer-mediated communication (CMC); human-robot interaction (HRI); information visualization; and technology-mediated complexity and nuance. Penn State has many other programs related to human-centered design and to computing and information technology, including the Social Science Research Institute, the Institute for CyberScience, the Hershey Medical Center, and programs throughout Penn State's other colleges and campuses. We seek to strengthen our collaborations with these groups. Candidates should be prepared to teach undergraduate and graduate courses in HCD and contribute to the College's service and outreach objectives. Successful candidates must have a Ph.D. or a terminal degree in information science or a closely related field by the time of appointment and must pass a background check. To apply: complete the online application (only basic personal information is required, but not other information listed below). In addition, applicants must submit the following material to <https://academicjobsonline.org/ajo/jobs/12172>: a cover letter; a Curriculum Vitae; 3-5 page research statement; a one-page teaching statement; contact information of 3-5 professional references. Review of applications will begin on November 1, 2018, and will continue until the position is filled. Inquires about the position may be directed to <mailto:facultyrecruiting@ist.psu.edu>. The Pennsylvania State University is the land grant institution of Pennsylvania. University Park is the largest of Penn State's 24 campuses, with undergraduate enrollment of approximately 44,000 students and offering more than 150 programs of graduate study. The College of IST has award-winning faculty and state-of-the-art facilities. Both faculty and students are dedicated to collaboration and applying knowledge to make our lives better. University Park is located in State College, Pennsylvania, which is ranked the 3rd safest metropolitan area in the United States by CQ Press, and the 8th best college town in the nation by Best College Reviews.

Apply online at <http://apptrk.com/1307332>

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

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



Tenure Track Faculty Positions in Computer Science & Engineering

Applications are invited for tenure-track positions at the Assistant, Associate and/or Full Professor levels across all areas of Computer Science and Engineering. We are particularly looking to fill multiple positions in:

(1) Theoretical Computer Science: All areas will be considered, including quantum computing, cryptography, algorithms and complexity.

(2) Computer Systems and Architecture: Candidates working at all layers of the system stack will be considered. We offer a top 10 ranked systems research department (as per csrankings.org) and unique collaboration opportunities with faculty spanning both computer science and computer engineering in one unified department.

(3) Data Science: We are interested in hiring candidates with a strong background in data science who could apply their expertise to big data problems in astronomy. If you are applying for positions (1) and (2) above, or any other areas of Computer Science and Engineering, please apply at <https://academicjobsonline.org/ajo/jobs/11831>. If you are applying for the Data Science position, please follow the instructions for the separate job posting at <https://academicjobsonline.org/ajo/jobs/11590>. Applicants should hold a Ph.D. in computer science, computer engineering, or a closely related field that must be completed by the start date of the position. All applicants should be committed to excellence in both research and teaching and those considered for the Associate and Full level must demonstrate an established record in research. Our department, and the University at large, provides tremendous collaboration opportunities. We expect our hires to establish a strong research program, supervise graduate and undergraduate students, and teach relevant undergraduate and graduate courses.

We strongly encourage applicants from underrepresented groups, and dual career couples. Applicants should submit a detailed curriculum vita listing all publications, research and teaching statements, and the names and email addresses of four references. Full consideration will be given to applications submitted by January 1, 2019 though applications will continue to be accepted until all positions are filled. E-mail your questions regarding the application process to <mailto:recruiting@cse.psu.edu>. Penn State is a premier public research, land grant university. The Department of Computer Science and Engineering is part of the School of EECs in the College of Engineering.

We are looking for candidates who will add to the department's diverse culture and research strengths. Penn State is committed to and accountable for advancing diversity, equity and inclusion in all of its forms. We embrace individual uniqueness, foster a culture of inclusion that supports both broad and specific diversity initiatives, and leverage the educational and institutional benefits of diversity. We value inclusion as a core strength and an essential element of our public service mission. The Pennsylvania State University is located in the beautiful town of State College, which is ranked one of the best college towns in the U.S. The area offers a wide variety of cultural and outdoor recreational activities, and outstanding University events, from collegiate sports to fine arts productions. The public school system is excellent, with a nationally ranked high school by U.S. News and World Report.

Apply online at <http://apptrk.com/1302600>

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

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

To Apply: Applicants should send a curriculum vitae; copies of 3-5 key publications; three to five names and contact information of references; and a statement of research and teaching to: CFCS_recruiting@pku.edu.cn

Postdoctoral positions are also available. For more information, please visit: <http://cfcs.pku.edu.cn/announcement/recruiting/228938.htm>

Portland State University

Assistant Professor

The Department of Computer Science is embarking on a bold new initiative focused on Trusted Cities: Transparent, Equitable, and Reliable Pathways from Collection to Action for Urban Analytics. In pursuit of this vision, we seek candidates with expertise in cybersecurity or data science. Applicants should have a willingness to apply their domain expertise to the Trusted Cities initiative, but need not have previous experience in this area. Exceptional applicants at the rank of Associate Professor will also be considered.

The Department of Computer Science currently has twenty tenure-track faculty members, including three NSF CAREER Award winners and two ACM Fellows. The department offers an ABET-accredited B.S. degree, both a thesis and a non-thesis M.S., and a Ph.D. in Computer Science and currently serves approximately 1000 undergraduate and 180 graduate students. Further information is available at <http://cs.pdx.edu>.

Portland State University is a public university located in the heart of one of the most progressive and vibrant cities in the U.S. The University is known nationally for its innovation, community engagement and sustainability initiatives. Its urban setting and unique relationship to city and regional agencies provides a living laboratory for urban research and industry and government collaboration. Portland is also the home of a burgeoning software industry, including leaders in cybersecurity and data analytics.

Qualifications

Applicants are expected to hold or be near completion of a Ph.D. degree in Computer Science or other relevant field. Non-Ph.D. applicants will be required to have completed the Ph.D. by September 01, 2019. Specific areas of interest include: cybersecurity (including privacy, high assurance software, and cyber-physical systems) or data science (including machine learning, data mining, and data intensive systems)

Job Specifications

The successful applicant will maintain scholarly and funded research activities; teach undergraduate and graduate classes; advise students; and provide service to the university and professional communities and to the public.

To Apply

Applicants will submit materials online at <https://jobs.hrc.pdx.edu/> and include the following documents: 1) curriculum vitae; 2) cover letter which addresses how the candidate will advance the department's

strategic direction; 3) statement of teaching philosophy; 4) statement of research interests; 5) name, address, phone number and email address of three professional references.

Review of applications will begin December 1 and will continue until finalists are identified.

For inquiries about this position, please contact cssearch@cs.pdx.edu.

Princeton University

Associate or Full Professor of Computer Science

The Department of Computer Science at Princeton University invites applications at the Associate or Full Professor level. We are accepting applications in all areas of Computer Science.

Applicants must demonstrate superior research and scholarship as well as an excellent teaching record. The department is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in computer science. A PhD in Computer Science or a related area is required. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applicants should include a CV, research statement, teaching statement and contact information for at least three people

who can comment on the applicant's professional qualifications online at: <https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=9002>

For full consideration we recommend that applicants apply by December 1, 2018, though we will continue to review applications past that date as needed. This position is subject to the University's background check policy.

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

Princeton University

Assistant Professor of Computer Science

The Department of Computer Science at Princeton University invites applications for tenure track faculty positions at the Assistant Professor level. We are accepting applications in all areas of Computer Science.

Applicants must demonstrate superior research and scholarship potential as well as teaching ability. The department is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented

in computer science. A PhD in Computer Science or a related area is required. Candidates should expect to receive their PhD before September 1, 2019. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applicants should include a CV, research statement, teaching statement and contact information for at least three people who can comment on the applicant's professional qualifications online at: <https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=9001>

For full consideration we recommend that applicants apply by December 1, 2018, though we will continue to review applications past that date as needed. This position is subject to the University's background check policy.

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

Princeton University

Lecturer of Computer Science

The Department of Computer Science seeks applications from outstanding individuals who share our strong commitment to undergraduate education to join our teaching faculty for full and

part-time Lecturer positions.

Computer Science is enjoying record popularity at Princeton, and opportunities abound to engage with our outstanding students at many levels. Our large undergraduate courses are the shared responsibility of a team of faculty and graduate assistants. A successful candidate for this position will participate in such a team at the outset. Job responsibilities can also include teaching upper-level courses, advising undergraduate research, curriculum development, state-of-the-art software technology development, data analytics, outreach to under-represented groups, and online content development.

Research and scholarship in CS education or in any area of CS is also encouraged. An advanced degree in computer science, or related field, is required.

Applications must include a cover letter, curriculum vitae, teaching statement, material relevant to evaluating the applicant's teaching abilities and research accomplishments, and contact information for at least three references online at: <https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=9121>

This position is subject to the University's background check policy. Further information about the Computer Science Department at Princeton can be found at: <http://cs.princeton.edu/>

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without

regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Purdue University

Tenure-Track/Tenured Faculty Positions in Data Management and Machine Learning

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant, Associate or Full Professor levels in the areas of large scale data management and/or machine learning. This search complements and runs parallel to three other faculty searches covering all other areas of computer science and an interdisciplinary search in the area of data science.

We are particularly interested in candidates whose work focuses on large scale data management and analytics, cloud-based data systems, and ML systems. We are equally interested in interactive learning, representation learning, algorithmic transparency, complex decision making, and cognitive systems to enhance our current strengths in machine learning and data mining. Highly qualified applicants in other areas will be considered. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and strong commitment to teaching. Successful candidates will be expected to conduct research in their

fields of expertise, teach courses in computer science, and participate in department and university activities.

The positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the college is pursuing significant new growth and initiatives which complement campus-wide thrusts including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences.

The Department offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs including a Professional MS in Information Security. For more information see <https://www.cs.purdue.edu>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in the cover letter, indicating past experiences,

current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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

Purdue University

Tenure-Track/Tenured Faculty Positions in Security

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant, Associate or Full Professor levels in the area of cybersecurity. This search complements and runs parallel to three other faculty searches covering all other areas of computer science and an interdisciplinary search in the area of data science.

All areas of cybersecurity will be considered. We expect new hires to complement and enhance existing departmental strength in cybersecurity which includes cryptography, data security and privacy, network security, software security, and systems security. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer

science, and participate in department and university activities.

These positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the college is pursuing significant new growth and initiatives which complement investments in Purdue's most recent strategic thrust, a campus-wide Integrative Data Science Initiative.

The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs including a Professional MS in Information Security. For more information see <https://www.cs.purdue.edu>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until the positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to

promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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

Purdue University

Assistant/Associate Professor of Practice Positions

The Department of Computer Science at Purdue University is soliciting applications for two Professor of Practice positions at the Assistant or Associate Professor level. Applicants should hold a PhD in computer science or a related field, or a BS degree in computer science or a related discipline and commensurate experience in teaching or industry. Applicants should be committed to excellence in teaching, have the ability to teach a broad range of courses in the undergraduate curriculum, have enthusiasm for teaching and interaction with students, and have an interest in developing and advising student projects.

The Department of Computer Science offers a stimulating and nurturing educational environment with thriving undergraduate and graduate programs and active research programs in most areas of computer science. The department offers undergraduate degrees in Computer Science and Data Science. Additional information about

the department is available at <http://www.cs.purdue.edu>. The positions are non-tenure track faculty positions with multi-year contracts. Professors of Practice faculty are actively involved in departmental activities and have professional development opportunities. Salary and benefits are competitive.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and candidate interviews will begin on October 1, 2018, and will continue until the positions are filled. Start dates of January 1, May 15, and August 15, 2019 are possible. Inquiries can be sent to pop-search@cs.purdue.edu.

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

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

Purdue University

Tenure-Track/Tenured Faculty Positions in Theoretical Computer Science

The Department of Computer Science in the College of Science at Purdue

University solicits applications for at least two tenure-track or tenured positions at the Assistant, Associate or Full Professor levels in theoretical computer science. This search complements and runs parallel to three other faculty searches covering all other areas of computer science. It is part of a broader effort to increase presence in the area of theoretical computer science.

We are particularly interested in candidates whose work in theoretical computer science focuses on the design and analysis of algorithms, randomness in computation, graph algorithms, and quantum computing, and whose interests complement existing departmental strengths. Highly qualified applicants in other areas of theoretical computer science will be considered. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

These positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the college is pursuing significant new initiatives which complement campus-wide thrusts including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences.

The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs including a Professional MS in Information Security. For more information see <https://www.cs.purdue.edu>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in the cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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

Purdue University

Tenure-Track/Tenured Faculty Positions

The Department of Computer Science in the College of Science at Purdue University solicits applications for at least two tenure-track or tenured positions at the Assistant or Associate Professor levels in areas of computer science. This search is in addition to the separate searches in the areas of theory, cybersecurity, databases and machine learning, and an interdisciplinary hiring effort in data science.

Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

These positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science. Under new leadership, the college is pursuing significant new initiatives which complement campus-wide thrusts including an Integrative Data Science Initiative.

The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and

graduate MS and PhD programs including a Professional MS in Information Security. For more see <https://www.cs.purdue.edu>.

Applicants should apply online at <https://hiring.science.purdue.edu>. A background check will be required for employment. Review of applications and interviews will begin in October 2018, and will continue until the positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer.

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

Rider University

Tenure Track - Computer Science

Rider University invites applications for two tenure-track positions in the new Computer Science program, with the successful candidates joining the University community in Fall 2019 in the newly renovated Science building.

The Computer Science program welcomed its first students in Fall 2017 and has surpassed enrollment expectations. In order to meet programmatic growth, we seek exceptionally qualified candidates to join our program who are passionate about the undergraduate experience, both inside and outside of the classroom. Applicants from all research areas will be considered, with preference given to those with expertise in cybersecurity or game design.

The successful candidates will have demonstrated excellence in their teaching and research and be able to speak to how they will contribute to a diverse science community at Rider, including forging interdepartmental collaborations. They will be expected to teach undergraduate courses, including classes in the major at all levels, and will be also expected to expand the curriculum, including the development of new courses for non-majors and additional tracks within the Computer Science program. They will also have a plan for integrating undergraduates into their research agendas.

The successful candidates will have a Ph.D. in Computer Science or a closely related field. ABDs will be considered as long as they successfully defend prior to Fall 2019. Post-doctoral and college-level teaching experience is preferred.

Rider University is composed of faculty, staff, and students from a wide range of cultural backgrounds who come together and create a vibrant, living and learning community. Candidates with a

demonstrated commitment supportive of the multicultural needs of Rider University and the surrounding community are highly desired. The Department values diversity among its faculty and is committed to building a culturally diverse intellectual community. Applicants should be experienced with, and committed to, working with such a diverse population.

Candidates must apply directly to our website at <http://rider.peopleadmin.com/postings/5451> for Position No. 312535 and attach:

- A Cover Letter
- A curriculum vitae
- A statement of teaching philosophy (3 pages maximum)
- A research statement, including how undergraduates will be incorporated (3 pages maximum)
- A statement outlining a commitment to diversity, including evidence of experience working with and teaching diverse students
- Undergraduate and graduate transcripts
- The names of three confidential references, which can speak to both your research and teaching experience.

Review of complete applications will begin on December 1, 2018, and continue until the positions are filled.

Rider University is an Equal Opportunity/Affirmative Action employer dedicated to excellence through diversity and does not discriminate on the basis of age, race, color, religion, national origin, sex, sexual orientation, handicap/disability, Vietnam-

ROCHESTER INSTITUTE OF TECHNOLOGY
Rochester, New York

Computing and Information Sciences - Multiple Openings for Fall 2019

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

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

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

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

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

RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit [RIT/Title IX](http://RIT/TitleIX) or the U.S. Department of Education at ED.Gov

R · I · T

era/disabled veteran status, gender identity or expression, or any other non-job related criteria.

Rutgers University

Tenure-Track Professors

The Computer Science Department at Rutgers University invites applications for multiple tenure-track positions in several broad areas of Computer Science. The appointments will start September 2019.

More information and instructions for applying can be found at: <http://www.cs.rutgers.edu/employment/>.

Applications received by January 14, 2019 will be given priority.

Rutgers subscribes to academic diversity and encourages applications from individuals with varied experiences and backgrounds. Women, minorities, dual-career couples, and persons with disabilities are encouraged to apply.

Rutgers is an affirmative action/equal opportunity employer.

Rutgers University

Cluster hire in Computer Science at Rutgers-Newark: Machine learning, Design/Visualization, & Ethics/Implications

Committed to building a cluster of faculty around interdisciplinary Computer Science, Data Science, and AI, Rutgers University-Newark is hiring in the areas of Machine Learning, Design/Visualization and Ethics/

Implications. We seek candidates who have a dynamic and interdisciplinary conception of their research, who can contribute to research and teaching in their areas, and as a core around which to build a new research center, graduate program, and undergraduate programs in interdisciplinary Computer Science, Data Science, and AI.

The Department of Mathematics and Computer Science at Rutgers University-Newark (RU-N) invites applications for a tenure-track position in **Machine Learning at the Assistant Professor, Associate Professor, or Professor rank**.

The position will be based at RU-N, to begin September 2019. We seek applicants with exceptional research programs focusing on computational methods in machine learning, mathematical modeling of complex data sets, or innovative approaches to Artificial Intelligence.

<https://jobs.rutgers.edu/postings/75448>

The Department of Mathematics and Computer Science and Department of Arts, Culture and Media at Rutgers University-Newark (RU-N) invite applications for a tenure-track position in **Design / Visualization at the Assistant or early Associate Professor level**, based at RU-N, to begin September 2019. We seek a design professional working in the intersection between design/visual arts and visualization/data science.

<https://jobs.rutgers.edu/postings/75104>

The Department of Philosophy at Rutgers University-Newark (RU-N) invites applications for a tenure-track position in

Philosophy at the Assistant Professor level, based at RU-N, to begin September 2019. We are seeking candidates whose area(s) of specialization is **ethics and/or social and political philosophy**. The area(s) of competence are open to sub-disciplines within contemporary philosophy.

<https://jobs.rutgers.edu/postings/74930>

Ryerson University (Toronto, Canada)

Assistant Professor - Computer Science - Artificial Intelligence

The Department of Computer Science (www.scs.ryerson.ca) in the Faculty of Science at Ryerson University (www.ryerson.ca) is pleased to invite applications for a full-time tenure-track position in Artificial Intelligence, including Machine Learning. This position will be at the Assistant Professor level, and will commence July 1, 2019, subject to final budgetary approval.

The Department of Computer Science is in a period of expansion due to robust interest in the field and currently consists of 22 tenure-stream faculty members. The Department offers an undergraduate honours degree, with an optional co-op, as well as a Master's and a Doctoral degree. Our faculty prides itself on the excellence of its research and on the quality of its teaching. We are interested in candidates that will contribute to our existing research strengths by bringing innovative and diverse perspectives and experiences to the work.

Review of the applications and interviews will commence December 1, 2018; however, later submissions may be considered until the positions have been filled.

For more information on careers at Ryerson and how to apply, please visit our website at <https://www.ryerson.ca/jobs>. For the full job ad, please visit:

https://hr.cf.ryerson.ca/ams/faculty/preview.cfm?posting_id=517931

Ryerson University (Toronto, Canada)

Assistant Professor - Computer Science - Software Engineering

The Department of Computer Science (www.scs.ryerson.ca) in the Faculty of Science at Ryerson University (www.ryerson.ca) is pleased to invite applications for a full-time tenure-track position in Software Engineering. Exceptional candidates in other closely related areas of Computer Science may also be considered. This position will be at the Assistant Professor level, and will commence July 1, 2019, subject to final budgetary approval.

The Department of Computer Science is in a period of expansion due to robust interest in the field and currently consists of 22 tenure-stream faculty members. The Department offers an undergraduate honours degree, with an optional co-op, as well as a Master's and a Doctoral degree. Our faculty prides itself on the excellence of its research and on the quality of its teaching. We are interested

in candidates that will contribute to our existing research strengths by bringing innovative and diverse perspectives and experiences to the work.

Review of the applications and interviews will commence December 1, 2018; however, later submissions may be considered until the positions have been filled.

For more information on careers at Ryerson and how to apply, please visit our website at <https://www.ryerson.ca/jobs>. For the full job ad, please visit: https://hr.cf.ryerson.ca/ams/faculty/preview.cfm?posting_id=517928

Ryerson University (Toronto, Canada)

Assistant Professor - Computer Science - Cybersecurity

The Department of Computer Science (www.scs.ryerson.ca) in the Faculty of Science at Ryerson University (www.ryerson.ca) is pleased to invite applications for a full-time tenure-track position in Cybersecurity. This position will be at the Assistant Professor level, and will commence July 1, 2019, subject to final budgetary approval.

The Department of Computer Science is in a period of expansion due to robust interest in the field and currently consists of 22 tenure-stream faculty members. The Department offers an undergraduate honours degree, with an optional co-op, as well as a Master's and a Doctoral degree. Our faculty prides itself on the excellence of its research and on the

quality of its teaching. We are interested in candidates that will contribute to our existing research strengths by bringing innovative and diverse perspectives and experiences to the work.

Review of the applications and interviews will commence December 1, 2018; however, later submissions may be considered until the positions have been filled.

For more information on careers at Ryerson and how to apply, please visit our website at <https://www.ryerson.ca/jobs>. For the full job ad, please visit: https://hr.cf.ryerson.ca/ams/faculty/preview.cfm?posting_id=517929.

San Francisco State University

Tenure-Track Assistant or Associate Professor, Database/Data Analytics/Big Data, or CS Education

San Francisco State University, Department of Computer Science seeks applicants for two tenure-track Assistant or Associate Professor positions in Database/Data Analytics/Big Data, and CS Education, beginning August 2019. (Candidates in other areas are also encouraged to apply.) The mission of San Francisco State University is to create an environment for learning that promotes appreciation of scholarship, freedom, human diversity, and the cultural mosaic of the City of San Francisco and the Bay Area; to promote excellence in instruction and intellectual accomplishment; and to provide broadly accessible higher education for residents of the region, state, the nation, and

the world. Ph.D. or equivalent degree in Computer Science required. Salary commensurate with qualifications.

Position description available at <https://bit.ly/2A0Fsk0>.

Application review begins 12/1/2018, continues until filled, Send letter of intent, a current CV, a statement on how your teaching and scholarship align with the commitment of the CS Department to foster an inclusive and diverse academic community; representative publications; teaching statement; research statement; contact information of three references. Letters of recommendation upon request at a later date.

Santa Fe Institute

Postdoc in Computational Social Science

Postdoc in Computational Social Science at the Santa Fe Institute

<https://www.santafe.edu/jobs/SFI-Postdoc-Computational-Social-Science>

Seoul National University

Professor, Information Security

The Department of Electrical and Computer Engineering at Seoul National University invites applications for a faculty position in the area of “information security”. Applicants with experiences in information security are highly recommended to submit their applications.

For more information and to apply, please go to <https://eng.snu.ac.kr/node/16346>

Deadline for submissions is Oct. 17th 2018 17:00 (Seoul, Republic of Korea) Monday through Friday (excluding holidays).

Please do not hesitate to contact me via email (munseon@snu.ac.kr) if you have any further questions.

Shanghai Jiao Tong University

Faculty Position at Artificial Intelligence Institute

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

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

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

Posts:

(1) Full professor with tenure Requirements:

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

(2) Tenure track associate professor Requirements:

1. Have a doctoral degree in a world-class university and have more than three years of overseas research experience after obtaining the PhD. General age requirement: under 40 years old.
2. Carry out innovative research in the frontier areas of the academic field, obtain

important research results, demonstrate strong academic potential, and reach the level of an assistant professor at a world-class university.

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

(3) Tenure track assistant professor Requirements:

1. Obtain related professional doctorates in well-known universities and research institutions in China and abroad, and have more than three consecutive years of overseas research experience. General age requirement: under 35 years old.

2. Carry out innovative research work in the frontier areas of the academic field, achieve important research results, and demonstrate strong academic potential.

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

Salary and Bonus:

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

2. **Research support:** Ph.D. or master degree student enrollment; provide funding for the initiation of

research according to the work needs, RMB600,000Yuan for tenure track associate professor, and RMB150,000Yuan for tenure track assistant professor.

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

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

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

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

Application:

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

1. Personal resume (including name, date of birth, contact information, major

research and teaching areas, list of publications, etc.);

2. List of published papers, and PDF files of five representative papers;

3. Research and teaching overview;

4. 3-5 letters of recommendation (there must be letters of recommendation from his/her doctoral supervisor, postdoctoral supervisor and a research collaborator).

There is no limit to the number of positions above.

Welcome to join us!

Simon Fraser University

Tenure-track Faculty Positions

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

A successful candidate will be expected to lead a team of graduate students in research and teach courses at the undergraduate and graduate levels. Candidates are expected to demonstrate excellence in research. A record of, or potential for (in the case of a junior candidate), high-quality graduate student supervision,

and teaching at the undergraduate and graduate levels is expected. A Ph.D. in computer science or related area is required by the start of the appointment. Applicants with a commitment to the advancement of women and minorities in computer science will be given priority.

Simon Fraser University is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has been consistently ranked among the top computer science departments in Canada and internationally. The School currently has 56 faculty members,

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

Review of applications will commence December 1, 2018. The positions are subject to availability of funding and approval by the SFU Board of Governors.

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

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

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

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

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

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

SlipperyRock UniversitySM of Pennsylvania

Tenure-Track Faculty Department Of Computer Science

The Department of Computer Science at Slippery Rock University of Pennsylvania is seeking applications from qualified candidates for a full-time, tenure-track appointment beginning in Fall 2019 to teach undergraduate courses and advise students in the area of cybersecurity. Slippery Rock University is located in Western Pa - an hour from downtown Pittsburgh. The Department offers a BS degree in Computing with tracks in Computer Science, Information Technology, and Computing Analytics.

Beginning Fall 2019, the existing cybersecurity track will be replaced with a BS degree in Cybersecurity with concentrations in secure software development and security governance. The department plans to seek ABET and/or NSA/DOD CAE designation for its cybersecurity programs. Faculty candidates will be expected to teach undergraduate courses in Cybersecurity, and some introductory courses in Computer Science. Topic areas for these courses may include: secure programming; malware and software security analysis, software assurance and, other cybersecurity governance topics. Job duties require quality performance in teaching, research that may involve undergraduate students, academic advising, service at the University, and other duties as assigned.

The minimum qualifications of the position are:

- Earned doctorate in Computer Science focusing on cybersecurity or very closely related field from a regionally accredited institution (completion of degree required prior to Fall 2019)
- Demonstrated skills in writing computer security application programs and skills in developing cybersecurity labs (SCADA etc.)
- Effective written and oral communications skills.
- Successful performance in an on-campus interview and teaching demonstration.

Preference will be given to candidates with: experience in teaching or assistance in teaching cybersecurity courses at the College or University level; research experience in cyber security as demonstrated by professional publications and research grants.

Full consideration will be given to applications received by February 15, 2019.

Applications will be accepted until the position is filled.

For a complete description and to apply, go to:

<http://aptrkr.com/1309113>

AA/EOE

Southern Connecticut State University

*Assistant/Associate Professor of
Computer Science*

Specialization: Software Engineer

Search #: 19-001

A detailed description of the position and required application materials can be found on the Southern Connecticut State University website at <https://www.southernct.edu/faculty-staff/hr/19-001.html>

Southern Illinois University

*Assistant Professor in Computer Science –
Computer Graphics & Game Development/
Software Engineering*

One Assistant Professor, 9-month, continuing, tenure-track appointment in the Department of Computer Science. Appointment beginning August 16, 2019. Ph.D. in computer science or related field with a specialization in Computer Graphics & Game Development or Software Engineering is required.

For complete position announcement, application process and Affirmative Action Statement, visit <http://cs.siu.edu/opportunities/jobs.php>.

SIU Carbondale is an Affirmative Action/ Equal Opportunity employer

Stanford University Department of Computer Science

Faculty Openings

The Department of Computer Science at Stanford University invites applications for tenure track faculty positions at the junior level (Assistant or untenured Associate Professor) and for tenured faculty positions at the Associate Professor level. We give higher priority to the overall originality and promise of the candidate's work than to the candidate's sub-area of specialization within Computer Science.

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

Application Requirements:

- All applications should include a curriculum vita, list of publications, and

brief (3 page total) statements of research and teaching interests.

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

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

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

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

Stanford University, Stanford, California

Associate or Full Professor in Statistics or Probability

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

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

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

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

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

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

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

Stanford University, Stanford, California

Assistant Professor in Statistics or Probability

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

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

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

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

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

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity,

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

Stony Brook University

Lecturer, Assistant/Associate/Full Professor of Practice

Required Qualifications:

MS or Ph.D. in Computer Science or related field.

Preferred Qualifications:

Demonstrated history of excellence in research and teaching at the graduate and undergraduate levels.

Responsibilities & Requirements:

Teaching and research in Computer Science.

Special Notes:

This is a non-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: Fall or Spring of 2018.

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:

Those interested in this position should submit a [State Employment Application](#), cover letter and resume/ CV to: <https://hiring.cs.stonybrook.edu>. Please also fill out an online [Applicant Information Survey](#). Do not submit this survey to the department.

Search Chair
Lecturer, Assistant/Associate/Full Professor of Practice
Computer Science
New Computer Science Building, Room 101
Stony Brook University
Stony Brook, NY 11794-2424

Campus Description:

Stony Brook University, home to many highly ranked graduate research programs, is located 60 miles from New York City on Long Island's scenic North Shore. Our 1,100-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 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: Lecturer, Assistant/ Associate/Full Professor of Practice

REF#: F-9934-18-09

Campus: Stony Brook West Campus

Department: Computer Science, CEAS

Salary: Commensurate with Experience

Posting Start Date: 09/14/2018

Posting End Date: 10/14/2018

Applications for this position must be received, as specified in the Application Procedure Section, no later than 5:00 PM Eastern Time on 10/14/2018, unless specifically noted otherwise in the Special

Notes Section.

STONY BROOK UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER. WE ENCOURAGE PROTECTED VETERANS, INDIVIDUALS WITH DISABILITIES, WOMEN AND MINORITIES TO APPLY. IF YOU NEED A DISABILITY-RELATED ACCOMMODATION, PLEASE CALL THE UNIVERSITY HUMAN RESOURCE SERVICES DEPARTMENT AT (631) 632-6161 OR THE UNIVERSITY HOSPITAL HUMAN RESOURCES DEPARTMENT AT (631) 444-4700. IN ACCORDANCE WITH THE TITLE II CRIME AWARENESS AND SECURITY ACT, A COPY OF OUR CRIME STATISTICS IS AVAILABLE UPON REQUEST BY CALLING (631) 632-6350. IT CAN ALSO BE VIEWED ON-LINE AT THE UNIVERSITY POLICE WEBSITE AT <http://www.stonybrook.edu/police>

For a full position description, or application procedure, visit: www.stonybrook.edu/jobs

Syracuse University

Information Studies - Open-Rank Tenure-Track Faculty (Four Positions)

Syracuse University's School of Information Studies (The iSchool, ischool.syr.edu) seeks scholars and leaders to fill four open-rank tenure-track faculty positions to start in Fall 2019. Successful candidates will have a productive program of research in an information-related field and be able to contribute to the development of students and 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. We will begin screening applicants in October 2018 and continue accepting applications until the positions are filled. Direct questions to Dr. Kevin Crowston, search chair. For more information and to apply, please go to www.sujobopps.com job posting #074043.

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.

Texas A&M University - Corpus Christi Texas

Assistant Professor positions in Computer Science

The College of Science and Engineering at Texas A&M University-Corpus Christi invites applications for multiple tenure-track Assistant Professor positions in Computer Science in the Department of Computing Sciences. The positions will support programs offering the BS and MS degrees in Computer Science, and the PhD degree in Geospatial Computer Science. An earned PhD degree in Computer Science or a closely related field is required at the time of appointment. Candidates with focus in data science, cloud computing, cybersecurity, robotics, machine learning, computer science education, or cyber-physical

systems are encouraged to apply. However, candidates with strong background in other areas will also be considered.

A completed application will include a letter of interest, a statement of teaching and research philosophy, a curriculum vitae, copies of transcripts, and three professional references.

To obtain more information about the positions and to apply, visit <https://islanderjobs.tamucc.edu>

Texas A&M University-Corpus Christi is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer.

Texas State University

Department of Computer Science

The Department of Computer Science invites applications for three faculty positions:

1. One tenure-track Assistant Professor to start on September 1, 2019. Review date is February 4, 2019.
2. Two non-tenure track Senior Lecturers to start on September 1, 2019. Review date is March 4, 2019.

Please consult the department's webpage at www.cs.txstate.edu/employment/faculty/ for job duties, required and preferred qualifications, application procedures, and information about the university and the department.

Texas State University is committed to an inclusive education and work environment that provides equal opportunity and

access to all qualified persons. Texas State, to the extent not in conflict with federal or state law, prohibits discrimination or harassment on the basis of race, color, national origin, age, sex, religion, disability, veterans' status, sexual orientation, gender identity or expression. Texas State University is a member of The Texas State University System. Texas State University is an EOE.

Texas Tech University

Assistant/ Associate/Full Professor

The Department of Computer Science at Texas Tech University invites applications for multiple tenured or tenure-track positions at various ranks starting in Fall 2018. Applicants must have a Ph.D. degree in Computer Science or related fields by the time of appointment. We are looking for outstanding individual from all areas of computer science with track records of research excellence and potentials to become a leader in research and education. Assistant/Associate/ Full Professor candidates should demonstrate leadership in building multidisciplinary research teams at the university or national level and obtaining external funding.

A letter of application, Curriculum Vitae, statement of research, teaching statement, and three letters of reference (five for applications at the rank of professor) should be submitted electronically at <http://www.texastech.edu/careers> using requisition numbers 15223BR for associate professor/ 15349BR full

professor positions and 15198BR & 15199BR for assistant professor positions.

As an Equal Employment Opportunity/ Affirmative Action employer, Texas Tech University is dedicated to the goal of building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minorities, women, veterans, persons with disabilities, and dual-career couples. Texas Tech University recently surpassed the Hispanic student population threshold necessary for designation as a Hispanic Serving Institution (HSI).

Should you have questions, please contact: Dr. Akbar Namin, at cs.search@ttu.edu

Trinity College

Assistant Professor of Computer Science

Applications are invited for a tenure-track position in computer science at the rank of Assistant Professor to start in the fall of 2019. Candidates must hold a Ph.D. in computer science at the time of appointment. We are seeking candidates with teaching and research interests in applied areas associated with data analytics, such as database and information systems, data mining and knowledge discovery, machine learning, and artificial intelligence, but other related

areas will also be seriously considered.

Applications should be submitted to: <https://trincoll.peopleadmin.com/>.

Consideration of applications will begin on December 15, 2018.

Trinity College is an Equal-Opportunity/ Affirmative-Action employer.

Trinity University, San Antonio, TX

Tenure-track Assistant Professor in Computer Science

Trinity University is seeking early career candidates for an appointment in the Computer Science department. A Ph.D. in Computer Science or a related field is required.

The position will be selected from candidates with expertise in any area of Computer Science. Candidates should demonstrate a passion for teaching courses in computer science, including courses in their domain of expertise, as well as introductory and upper-level courses required for all of our majors. Candidates should have a high potential for teaching in the liberal arts environment of Trinity University. This includes contributing to the core curriculum taken by all Trinity students, the Pathways curriculum, by teaching courses for our interdisciplinary clusters and/or providing experiential learning opportunities for our undergraduate students. Candidates must have a demonstrated record of research in

their relevant discipline, and have a plan to continue their research that includes undergraduate students in their research. Candidates should demonstrate effective communication skills; a commitment to teaching, advising, and mentoring undergraduate students; and a commitment to diversity, equity, and inclusion.

Applicants should electronically submit a cover letter; curriculum vitae; the names and contact information for at least 3 recommendation letter writers; statement of the candidate's teaching philosophy and qualifications; statement of the candidate's scholarship that includes a plan to involve undergraduate students; and other materials of the candidate's choosing to cs-search@trinity.edu

Applications should be submitted as soon as possible. The search will remain open until the position has been filled. Applications submitted on or before December 1, 2018, will be given full consideration.

Trinity University is an equal opportunity employer.

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:

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

About TTI-Chicago

TTI-Chicago is a philanthropically endowed academic institute dedicated to fundamental research and graduate education in computer science. In addition to producing cutting-edge research – our faculty are routinely published at top conferences and recognized with distinctions such as the Sloan Research Fellowships, NSF Career Awards, and Best Paper Awards – TTI-Chicago 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 (<http://www.ttic.edu/faculty-alumni/>).

Located on the University of Chicago campus, TTI-Chicago has strong ties to the University. Moreover, TTI-Chicago faculty members frequently collaborate with colleagues from leading academic

institutions around the world. TTI-Chicago supports travel and visitor hosting through annual research funds for research and tenured faculty, and start-up packages for tenure-track faculty. 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'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 11 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 four programs: "Deep Learning: From Practical Challenges to Theoretical

Foundations”, “Proofs, Consensus, and Decentralizing Society”, “Lattices”, and “The Quantum Wave in Computing” (see <http://simons.berkeley.edu/programs/current> for details).

Applicants selected by both institutions will be able to participate in a program at the Simons Institute before joining TTI-Chicago. Applicants selected only by TTI-Chicago will be offered a regular RAP position. 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, 2018, and will continue until the positions are filled. Applicants interested in the joint program with the Simons Institute are encouraged to apply by December 1, 2018. Please note that the Simons Institute has a different deadline.

Application Requirements

1. curriculum vitae
2. research statement
3. teaching statement (optional)
4. 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/fellows>).

Where to Apply

ttic.edu/facultyapplication

Questions

recruiting@ttic.edu

TTI-Chicago is an equal opportunity employer.

Tufts University

Assistant Professor in Computer Engineering

The Department of Electrical and Computer Engineering at Tufts University invites applications for a tenure-track faculty position in Computer Engineering to begin in September 2019.

We are seeking candidates at the rank of Assistant Professor, but exceptional candidates at the rank of Associate or Full Professor will also be considered. Candidates are sought primarily in the area of Computer Engineering or a closely related field with expertise in areas including, but not limited to, security, embedded and real-time systems, computer architecture, and computer systems. The successful candidate will join an active department that offers B.S., M.S., and Ph.D. programs, and thus must demonstrate excellence in teaching as well as the potential to develop an internationally recognized research program.

The Electrical and Computer Engineering has grown significantly in the past fifteen years. Located in the Boston area, the department benefits from outstanding undergraduate and graduate students, collaborative faculty, and cross-disciplinary research opportunities. Tufts’ School of Engineering (SOE) distinguishes

itself by the interdisciplinary focus and integrative nature of its engineering education and research programs.

Full details see <http://engineering.tufts.edu/ece/about/opportunities.htm> the online application can be found at: <https://apply.interfolio.com/53162>. Review of applications will begin on December 16th 2018.

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. If you are an applicant with a disability who is unable to use our online tools to search and apply for jobs, please contact us by calling Johny Laine in the Office of Equal Opportunity (OEO) at 617.627.3298 or at Johny.Laine@tufts.edu.

Applicants can learn more about requesting reasonable accommodations at <http://oeo.tufts.edu>.

Tulane University

Faculty Positions in Computer Science starting Fall 2019

Tulane Computer Science is Hiring!

The Tulane Computer Science Department anticipates two tenure-track hires as we continue to build our new program. Applications are encouraged from leading researchers who are attracted by the opportunity to help build a program whose

focus is equally on computer science and on its applications to the myriad of areas where computer science is having a fundamental effect on how research is conducted. We are especially interested in researchers who focus on areas around data science, including machine learning and artificial intelligence, networks, scientific visualization, databases, systems, cloud computing, and related areas. The department currently has 8 tenured / tenure stream faculty and one Professor of Practice; we anticipate attaining a critical mass of 10 faculty within the next year, and a stable state of 15 faculty within the following 2 - 3 years.

We are pleased to announce the following openings:

The Yahoo! Founder Chair

The Tulane Computer Science Department invites applications for the Yahoo! Founder Chair in Computer Science. This will be a pivotal appointment for our program, providing a defining focus for our research activities and developing collaborations across the university. The successful candidate will provide leadership by enhancing existing research collaborations and establishing new ones both within the computer science department, within the School of Science and Engineering, and across the other Tulane schools and colleges. We encourage applications from senior colleagues whose work is in an area related to data. We anticipate appointing someone with excellent research credentials nationally and

internationally, a record of substantial research funding, experience leading multidisciplinary research projects, and a record of excellent teaching at the undergraduate and PhD levels. Review of applications will begin December 15, 2018, and continue until the position is filled. Potential candidates for this position are encouraged to contact Professor Michael Mislove, chair of the computer science department, at mislove@tulane.edu about their candidacy.

Tenured/Tenure-Track Open Rank Position

The Tulane Computer Science Department invites applications for an open rank position at the tenured or tenure-track level to begin in Fall 2019. Our faculty are active in research related to a number of areas, all of which feature applications of computer science to other disciplines in the sciences and health sciences, the social sciences, and the humanities. We welcome applications from candidates with similar research interests. We are particularly interested in applications from candidates in machine learning, as well as ones from candidates working in systems and networking, or in graphics and large data. Candidates at the senior assistant professor level or who are tenured should have an outstanding research record that emphasizes the application of computer science to related areas, have excellent teaching credentials, and have a strong record of attracting research funding on a continued basis. Junior faculty who have postdoctoral experience establishing their research program also are encouraged to

apply. Review of applications will begin December 15, 2018, and will continue until the position is filled.

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

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

Application Instructions

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

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

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

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through

diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.

Tulane University

Professor of Practice in Computer Science Starting Fall 2019

Tulane Computer Science is Hiring!

The Tulane Computer Science Department anticipates hiring at all levels as it continues to build its program. Applications are encouraged from colleagues who are attracted by the chance to help build a new program whose focus is equally on computer science and on its applications to the myriad of areas where computer science is having a fundamental effect on how research is conducted. The department currently has 8 tenured / tenure stream faculty and one Professor of Practice; we anticipate attaining a critical mass of 10 faculty with the next year, and a stable state of 15 faculty within the following 2 - 3 years.

We are pleased to announce the following opening:

Professor of Practice

The Tulane Computer Science Department invites applications for a Professor of Practice position to begin in Fall 2019. The duties include expanding our introductory course offerings, CMPS 1500 and CMPS 1600, and teaching a range of undergraduate courses, including the Capstone Project required of all

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

Application Instructions

A complete application should include a CV, a teaching statement, and documentation to validate excellence in teaching, including at least three letters of recommendation that address teaching. Applications for this position will be reviewed starting December 15, 2018; the review and interview process will continue until the position is filled. This position is subject to final administrative approval.

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

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through

diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.

Union College

Assistant Professor of Computer Science (Tenure Track)

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

At Union, institutional expectations and support are balanced between teaching and research; the ideal candidate will be enthusiastic about teaching, supervising undergraduate research, and sustaining an independent research program. Preference will be given to candidates with specializations in theory or systems, though we are particularly interested in candidates who can teach broadly in the computer science curriculum. The position involves teaching two courses in each of

three trimesters. Preference will be given to applicants who have completed the Ph.D. in computer science or a related area; applicants close to finishing the Ph.D. will be considered. We welcome applications from members of groups traditionally underrepresented in the field. Applicants should state in their cover letter how they will enhance the diversity of offerings and educational experiences if hired.

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

Interested candidates should electronically submit a cover letter, curriculum vitae, statement of teaching philosophy, and statement of current research interests. Candidates should also request that three recommendation letters be submitted. See <http://cs.union.edu/jobs> for instructions about how to submit the relevant materials. We will begin reviewing applications starting December 1, 2018, and will continue until the position is filled.

Union College is an equal opportunity employer and strongly committed to student and workforce diversity. Union provides a blend of intellectual, social and cultural opportunities to facilitate the integrated academic, social and personal development of a diverse community. We value and are committed to a host of diverse populations and cultures

including, but not limited to, those based on race, religion, disability, ethnicity, sexual orientation, gender, gender identity, national origin and veteran status.

The University of Alabama in Huntsville

Assistant Professor

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 2019. All applicants with a background in traditional areas of computer science will be considered; however, special emphasis will be given to applicants with expertise in cybersecurity, software engineering, cloud computing, and systems related areas.

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 9,500 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, Dept. of Computer Science The University of Alabama in Huntsville, Huntsville, AL35899. 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: 19/20 - 538

University of Arizona

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

The Department of Computer Science at the University of Arizona invites applications for multiple positions in machine learning. Related areas such as natural language processing and computer vision will also be considered. These positions are part of a strategic effort at the University to build an outstanding research group in machine learning. We seek applicants at all ranks, and are open to coordinated hiring of multiple applicants.

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, bioinformatics, compilers, computational geometry, databases, high-performance computing, natural language processing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at www.whyUA.com.

To apply, complete an online application at the UA Human Resources web site, [https://uacareers.com/postings/23693](http://uacareers.com/postings/23693). Be sure to upload (a) your curriculum vitae, (b) a

statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

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

Review of applications will begin January 7, 2019 and continue until the position is filled. Please email search@cs.arizona.edu if you have any questions or need assistance.

University of Arizona

Assistant, Associate, or Full Professor of Computer Science (Position in Computer Security)

The Department of Computer Science at the University of Arizona invites applications for a tenure-track faculty position in the area of computer security at the Assistant, Associate, or Full Professor rank. This position is part of a strategic effort at the University to build broad strength in computer security across campus. Candidates in related areas will also be considered.

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, bioinformatics, compilers, computational geometry, databases, high-performance computing, natural language processing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at www.whyUA.com.

To apply, complete an online application at the UA Human Resources web site, <http://uacareers.com/postings/32782>. Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

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

Review of applications will begin January 7, 2019 and continue until the position is filled. Please email search@cs.arizona.edu if you have any questions or need assistance.

University of Arizona

Lecturer or Professor of Practice in Computer Science

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

The Lecturer teaching track is non-tenure-eligible, begins with the Lecturer position, and then offers advancement to Senior and Principal Lecturer. Qualifications for these positions include an MS or PhD in Computer Science or a closely-related discipline. Candidates will be expected

to teach effectively in undergraduate Computer Science courses, and have extensive knowledge of the topics taught in our required courses.

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

As of Fall 2018, the Department of Computer Science at the University of Arizona has 27 faculty members, including nine Lecturers, of whom four are Senior Lecturers and one is Principal Lecturer. The Department has a long history of excellent undergraduate and graduate instruction, research accomplishment, and influential software distribution. Current teaching and research areas span most core areas of Computer Science. The University is located in Tucson, a valley with desert landscape surrounded by mountain ranges. Tucson boasts a warm climate, 350 sunny days per year, with ample opportunities for outdoor activities such as hiking, mountain biking, horseback riding, caving, and rock climbing. More information about the University and its environs is available at www.whyUA.com.

To apply, complete an online application at the UA Human Resources web site. The link for the Lecturer position is <https://>

uacareers.com/postings/32258. The link for the Professor of Practice position is <https://uacareers.com/postings/32259>. Be sure to upload (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names of at least three references.

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

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

University of Arkansas

Assistant Professor - Tenure Track

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications for a tenure-track assistant professor position starting in August 2019. Applicants for the tenure-track position must have expertise in artificial intelligence which includes, but is not limited to, machine learning, cognitive computing, reasoning, knowledge representation, planning, natural language processing, perception, and AI applications. They must present a promising track record in scholarship through refereed journal and conference publications. All applicants must have a Ph.D. in computer science, computer engineering, or a closely related discipline. The university is classified as a "research university with very high levels of research activity" by the Carnegie

Foundation. The CSCE department has four NSF CAREER awardees and is very active in research.

For application details, visit <http://jobs.uark.edu/postings/29877>.

The UA is AA/EO employer/Veterans/Disabled.

University of British Columbia

Tenure Track Faculty Positions - Educational Leadership

The University of British Columbia invites applications for one or two tenure-track faculty teaching positions at the rank of Instructor in the Department of Computer Science on the Vancouver Campus. Preference may be given to candidates whose technical and teaching strengths show strong fit with current structural needs in our department, including the systems and software areas of computing. However, strong candidates specializing in any area are encouraged to apply. UBC Computer Science (<https://www.cs.ubc.ca>) ranks among the top departments in North America, with 57 tenure-track faculty and approximately 200 graduate and 2000 undergraduate students.

This position provides the rare opportunity to participate as a first-class colleague in the intellectually exciting atmosphere of a top-tier computer science department, while pursuing a career based on excellence in teaching and educational leadership (as explained on the Teaching

and Educational Leadership page of the UBC Center for Teaching, Learning and Technology (<https://ctl.ubc.ca/programs/all-our-programs/teaching-and-educational-leadership/>). Instructor is the first rank in a UBC's Educational Leadership Stream career path, which continues with the Senior Instructor rank, and culminates with the Professor of Teaching rank. This path is analogous to the research-oriented faculty progression of tenure-track Assistant Professor, tenured Associate Professor, and Full Professor. Initial appointment will be at the Instructor rank. The typical teaching load is two courses per term, for a total of four courses each year. Faculty members in the Educational Leadership stream are eligible to apply for Study Leave (sabbatical) under similar terms to faculty members in the research-oriented stream. The anticipated start date for this position is July 1st, 2019.

A PhD or equivalent in Computer Science, Computer Science Education, or a related area is expected. The successful candidate must provide evidence of: demonstrated excellence in and commitment to undergraduate teaching, ability to work collaboratively as well as independently and to supervise the work of others, promise of educational leadership at the national or international level, and potential for creating innovative instructional environments in both the undergraduate classroom and laboratory. Experience in curriculum development, course design, and other initiatives that advance the University's ability to excel in its teaching and learning mandate is also an asset.

Candidates should submit a CV, a teaching statement, evidence of teaching effectiveness, and the names of at least three references. The statement should include their teaching philosophy, and a record of teaching interests and experience. Candidates are encouraged to highlight qualifications relevant to emerging technologies, pedagogical approaches, and research in teaching and learning. Applications are to be submitted online at <https://apps.cs.ubc.ca/fac-recruit/instr/apply/form.jsp>.

The website will remain open for submissions through the end of the day on November 15th, 2018. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the website remains open will be considered.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. Canadians and permanent residents of Canada who successfully meet the criteria for excellence through the application and interview process will be given priority.

If you have questions about the application process, please contact the Chair of the Instructor Recruiting Committee by email, at instructor-recruiting-chair@cs.ubc.ca

The University of British Columbia

Department of Computer Science Tenure-Stream Faculty Positions

The Department of Computer Science at the University of British Columbia is inviting applications for up to 4 positions at the rank of Assistant Professor. We invite applications from all areas of computer science, with one of the primary areas of focus being in computer systems, broadly construed. One position at a higher rank could be considered for an individual with exceptional qualifications.

UBC Computer Science (www.cs.ubc.ca) ranks among the top departments in North America, with a strong record of excellence in research and in graduate and undergraduate teaching. The anticipated start date is July 1, 2019, and is subject to budgetary approval.

A PhD in Computer Science or a related area is required. Applicants must demonstrate evidence of research success and a high potential to be leaders in their research field. Successful candidates will develop and maintain an internationally-recognized research program, and are expected to effectively supervise graduate students, collaborate with other faculty members,

obtain external funding, teach computer science courses for undergraduate and graduate students, and actively participate in departmental activities. The potential of an applicant's research program to complement and extend the existing research and teaching strengths of the department will be an important factor in selection.

Applicants must submit a CV, a research statement, a teaching statement, and the names of at least three references. The teaching statement should include a record of teaching interests and experience. Applications may be submitted online at <https://apps.cs.ubc.ca/fac-recruit/research/apply/form.jsp>. Full consideration will be given to submissions received by November 30, 2018. Applications past the deadline may continue to be considered as long as the submission website remains open.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.



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

GOLDMAN SCHOOL OF PUBLIC POLICY AT UC BERKELEY

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

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

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

UC Berkeley is an AA/EEO employer.



Assistant Professor - Electrical Engineering and Computer Sciences

The University of California, Berkeley invites applications for approved tenure-track positions in Electrical Engineering and Computer Sciences at the Assistant Professor level. The expected start date for this position is July 1, 2019.

For more information about the position, including required qualifications and application materials, please go to: <http://apptrkr.com/1311748>.

The deadline to apply is December 14, 2018. For questions, please contact the Search Committee Chair at eecs-faculty-recruiting@eecs.berkeley.edu.

UC Berkeley is an AA/EEO employer.

For questions about the application process, contact Jim Little, Chair of Faculty Recruiting, at research-recruiting-chair@cs.ubc.ca

University of California, Irvine - ICS

*Professor and Professor of Teaching
Series Positions*

The Donald Bren School of Information and Computer Sciences (ICS) at the University of California, Irvine (UCI), home of the departments of Computer Science, Informatics, and Statistics, is seeking exceptional candidates for multiple tenured/tenure-track Professor and Professor of Teaching positions. A detailed description of each position, and application instructions, can be found on

the ICS website at <http://ics.uci.edu>.

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy. A recipient of an NSF ADVANCE award for gender equity, UCI is responsive to the needs of dual career couples, supports work-life balance through an array of family-friendly policies, and is dedicated to broadening participation in higher education.

UCLA

Electrical and Computer Engineering Department Professor

The Electrical and Computer Engineering Department in the Henry Samueli School of Engineering and Applied Science at the University of California, Los Angeles (UCLA) is accepting applications for tenure-track faculty positions. Our primary focus is on tenure-track assistant professors, however distinguished senior-level applicants will also be considered. The Department seeks candidates with a PhD in a related discipline. The Department is home to numerous state-of-the-art research centers which foster interdisciplinary basic research and collaborations with

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

students. Salary is commensurate with education and experience.

The Department excellent candidates with an emphasis on overall originality and innovation. We are interested in



Tenure Track Faculty Position - Computer Science

Description

The Computer Science Department of the Henry Samueli School of Engineering and Applied Science at the University of California, Los Angeles, invites applications for tenure-track positions in all areas of Computer Science. Applications are also encouraged from distinguished candidates at senior levels. Candidates must have a Ph.D. Quality is our key criterion for applicant selection. Applicants should have a strong commitment both to research and teaching and an outstanding record of research for their level of seniority. Salary is commensurate with education and experience.

The department is committed to building a more diverse faculty, staff and student body as it responds to the changing population and educational needs of California and the nation.

Qualifications

Applications are also encouraged from distinguished candidates at senior levels. Candidates must have a Ph.D at date of Hire to fulfill the basic qualification requirement.

Compensation/Benefits

Salary is commensurate with education and experience

How to apply

To apply, please visit:

<http://apptrkr.com/1295550>

Because of internal deadlines we encourage early applications. Only applications received by December 15, 2018 can be guaranteed full consideration.

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, sexual orientation, gender identity, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination & Affirmative Action Policy.

candidates in all areas traditionally associated with Electrical and Computer Engineering as well as areas involving extra-departmental fields such as the Institute for the Risk Sciences and the School of Medicine.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy, see: UC Nondiscrimination & Affirmative Action Policy.

The Department is seeking outstanding candidates with the potential for exceptional research, and excellence in teaching, and also a clear commitment to enhancing the diversity of the faculty, graduate student population, and of the majors in Electrical Engineering. Experience in mentoring women and minorities in STEM fields is desired.

3 to 6 references required (contact information only).

Applications will be reviewed starting November 15, 2018 until the positions are filled, and therefore for full consideration, please apply before this date.

Please apply at: <https://recruit.apo.ucla.edu/apply/JPF03829>

University of California, Merced

Faculty Positions in Computer Science and Engineering

The Department of Computer Science and Engineering (CSE) at UC Merced seeks applicants for three (3) tenure-track positions at the Assistant Professor level beginning in the 2019/2020 academic year. Priority will be given to candidates in the following areas of research:

- Software Engineering, Programming Languages, and Computer Systems;
- Security and Privacy;
- Data Science and Artificial Intelligence.

However, exceptional candidates in all research areas will be considered. We are particularly interested in attracting academically and culturally diverse candidates, especially those who can contribute to the growing diversity and excellence of the community through their teaching, scholarship, and service.

Please see <https://aprecruit.ucmerced.edu/apply/JPF00710> for complete details and contact information.

EEO/AA employer.

University of California, Riverside

FACULTY POSITION for Associate/Full Professor in Computer Science and Engineering

The Bourns College of Engineering at the University of California, Riverside (UCR)

invites applications for Associate/Full Professor faculty positions.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input. Incumbents are expected to initiate and sustain strong sponsored research and graduate training programs.

Appointments are expected to begin July 1, 2019. Salary will be commensurate with education and experience. Applicants must have met the requirements for the PhD by time of appointment; have college level teaching experience with a minimum one-year teaching experience at the undergraduate or graduate level.

Review of applications will begin January 1, 2019 and will continue until the position is filled. To apply for the Assistant Professor level: <https://aprecruit.ucr.edu/apply/JPF00981>. Applications must be submitted online.

Applications will continue to be received until the positions are filled. For more information regarding the specific areas of interest and application procedures, please visit <http://www.engr.ucr.edu/>. For inquiries and questions please refer to the contact email address under the specific recruitment on the online applicant site <https://aprecruit.ucr.edu/>.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for

underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity/Affirmative Action/ Disability/Veterans Employer” or “EEO/AA/Disability/Vets Employer

University of California, Riverside

FACULTY POSITION for Assistant Professor in Computer Science and Engineering

The Bourns College of Engineering at the University of California, Riverside (UCR) invites applications for Assistant Professor (Tenure-track) faculty positions.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input. Incumbents are expected to initiate and sustain strong sponsored research and graduate training programs.

Appointments are expected to begin July 1, 2019. Salary will be commensurate with education and experience. Applicants must be all but dissertation or have met the requirements for the PhD by time of appointment; have college level teaching experience with a minimum one-year teaching experience at the undergraduate or graduate level.

Review of applications will begin January 1, 2019 and will continue until the position is filled. To apply for the Assistant

Professor level: <https://aprecruit.ucr.edu/apply/JPF00980>. Applications must be submitted online.

Applications will continue to be received until the positions are filled. For more information regarding the specific areas of interest and application procedures, please visit <http://www.engr.ucr.edu/>. For inquiries and questions please refer to the contact email address under the specific recruitment on the online applicant site <https://aprecruit.ucr.edu/>.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

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University of California - San Diego

Teaching Professor Positions in the Department of CSE

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

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

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

supporting underrepresented groups.

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

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

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

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

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

- cover letter
- Curriculum Vita
- A teaching statement: This statement can describe your teaching philosophy, but must describe your teaching experience and include evidence of effective teaching

(student evaluation data is encouraged)

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

personnel/diversity/docs/C2D_Expectations.pdf

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

For applicants with interest in spousal/partner employment, please see <https://aps.ucsd.edu/services/pop/> for the UCSD Partner Opportunities Program.

UCSD is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. Women and minority applicants, veterans and persons with disabilities are encouraged to apply (see <http://diversity.ucsd.edu>).



**Assistant Professor, Tenure Track, Computer Science
University of San Francisco**

Job Summary: The Department of Computer Science at the University of San Francisco is accepting applications for a tenure-track faculty position at the Assistant Professor level starting in August 2019. We are looking for candidates from all areas of Computer Science or a closely-related field.

Minimum Qualifications: Applicants must have a Ph.D. in Computer Science or a closely-related field. Strong applicants from all CS sub-disciplines will be considered. Applicants must demonstrate both exceptional teaching ability and a strong potential for independent and collaborative research. More details about our department and the position can be found at: <http://apptrkr.com/1310893>

To apply, please submit a CV, teaching statement, research statement, diversity statement (discuss activities/initiatives to broaden participation in computer science that you have been involved with), cover letter, and three letters of reference to <https://gnosis.usfca.edu/search>. To receive full consideration applications must be complete and submitted by January 2, 2019. Please send questions regarding this position to search2019@cs.usfca.edu.



UCSB
UNIVERSITY OF CALIFORNIA
SANTA BARBARA

Computer Science Neuroscience Tenure-Track Position

The University of California, Santa Barbara, invites applications for a tenure-track position in the Department of Computer Science for 2019 -2020 academic year with the potential for a joint appointment in another department, in areas encompassing Computer Science and Neuroscience that include, but are not limited to: network science, neuro-computer architecture, computational vision, biologically-inspired machine learning, and computational neuroscience. For primary consideration apply by November 30, 2018; however, the position will remain open until filled.

PhD in Computer Science or related field preferred. At a minimum in order to be considered, applicants should have completed all requirements for a PhD (or equivalent) in Computer Science or a related field, except the dissertation (or equivalent) at the time of application. PhD degree must be conferred by time of appointment. Applicants showing outstanding research potential, interdisciplinary focus, and have a strong commitment to teaching are also preferred.

UC Santa Barbara is a premier public research university. The Department of Computer Science is part of the highly ranked College of Engineering, which includes among its faculty three Nobel laureates and 29 members of the National Academy of Engineering. There are numerous opportunities to interact or collaborate with faculty on campus interested in various aspects of brain science, including the Neuroscience Research Institute, the Department of Psychological and Brain Sciences, the Dynamical Neuroscience Program, and the Cognitive Science Program.

Applications must include a cover letter, curriculum vitae, statements of research and teaching interests, arrange to have 3-5 letters of reference uploaded via UC Recruit, and the candidate's top three publications. Additionally, we strongly encourage all applicants to include a statement of contributions to diversity. Applications should be submitted electronically as PDF documents to <http://apptrkr.com/1315792>.

The department is especially interested in candidates with an interdisciplinary focus who can contribute to the diversity and excellence of the academic community through research, teaching, and service.

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

University of Central Florida

Multiple Tenured/Tenure-track Positions in Computer Science

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

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

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

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

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



Computer Science Open Level Tenure-Track and Tenured Positions

The Department of Computer Science at the University of California, Santa Barbara is continuing a period of strategic growth, with plans for new faculty positions that will add to core strengths, explore new and emerging areas of the field, and leverage opportunities across disciplinary boundaries. Towards this goal, the department invites applications for tenure-track or tenured appointments at the Assistant/Associate/Full Professor levels, for the 2019-2020 academic year. For primary consideration apply by November 16, 2018; however, positions will remain open until filled.

We are looking for individuals from all areas of Computer Science who have a track record of research excellence, a passion to shape the future of the field, and the potential to become an outstanding leader in research and education. The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service. Qualified assistant professor candidates will be considered for appointment to the John and Eileen Gerengross Endowed Chair, which is intended to support a junior faculty scholar and future leader and to strengthen department diversity.

UC Santa Barbara is a premier public research university. The Department of Computer Science is part of the highly ranked College of Engineering, which includes among its faculty three Nobel laureates and 29 members of the National Academy of Engineering. Additional information about the department and our academic programs can be found at <http://www.cs.ucsb.edu>.

PhD in Computer Science or related field at the time of application is preferred. At the minimum in order to be considered, applicants should have completed all requirements for a PhD (or equivalent) in Computer Science or a related field, except the dissertation (or equivalent) at the time of application. PhD degree must be conferred by the time of appointment.

All applications must include a cover letter, curriculum vitae, statement of research, statement of teaching, contact information for three to five references, and candidates' three top publications. Additionally, we strongly encourage all applicants to include a statement of contribution to diversity. In your cover letter, please indicate whether you are applying to a tenure-track position (Assistant Professor) or a tenured position (Associate/Full Professor).

Letters of reference for completed applications will be requested by the department at the following stages:

- Assistant Professor level will be requested by the department once the initial review date passes and/or after any additional review dates.
- Associate/Full Professor levels will be requested by the department at the point of serious consideration.

Applications should be submitted electronically as PDF documents to <http://apptrkr.com/1315971>.

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



Assistant Professor UNIVERSITY OF CALIFORNIA, SANTA CRUZ DEPARTMENT OF Computer Science and Engineering Assistant Professor, Software Foundations

The Department of Computer Science and Engineering at the University of California, Santa Cruz, invites applications for a tenure track (Assistant Professor) in Software Foundations. We seek outstanding applicants who have demonstrated research and teaching expertise in the areas of programming languages, program analysis, software verification, or language-based security. The successful candidate is expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, perform university, public, and professional service. The successful candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds.

We welcome candidates who understand the barriers facing women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

The Baskin School of Engineering has nationally and internationally known researchers and research groups in many areas, including programming languages, security, distributed systems, networking, data management, storage systems, architecture, machine learning, data mining, natural language processing, and AI. Our beautiful campus has a long history of embracing groundbreaking interdisciplinary work, and our proximity to Silicon Valley (only 35 minutes from campus) and San Francisco affords opportunities and avenues for collaborative research.

ACADEMIC TITLE

Assistant Professor

SALARY

Commensurate with qualifications and experience; academic year (9-month basis).

BASIC QUALIFICATIONS

A Ph.D. or equivalent foreign degree in Computer Science or other relevant field, expected to be completed by June 30, 2019; demonstrated record of research and teaching.

POSITION AVAILABLE

July 1, 2019 (with academic year beginning September 2019). All Ph.D. requirements must be completed by June 30, 2020 for employment beyond that date.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT

<http://apptrkr.com/1297689>

Please refer to Position # JPF00651-19 in all correspondence.

Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum vitae
- Statement addressing contributions to diversity through research, teaching, and/or service (required). Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>. - Statement of research plans
- Statement of teaching interests and experience
- 3-4 selected publications
- 3 confidential letters of recommendation*

Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

RECRUITMENT PERIOD

Full consideration will be given to applications completed by December 14, 2018. Applications received after this date will be considered only if the position has not been filled.

UC Santa Cruz faculty make significant contributions to the body of research that has earned the University of California the ranking as the foremost public higher education institution in the world. In the process, our faculty demonstrate that cutting-edge research, excellent teaching and outstanding service are mutually supportive.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at <mailto:apo@ucsc.edu> (831) 459-4300.

VISIT THE APO WEB SITE AT <http://apo.ucsc.edu>



Professional Opportunities



Assistant Professor
UNIVERSITY OF CALIFORNIA, SANTA CRUZ DEPARTMENT OF Computer Science and Engineering Assistant Professor, Software Foundations

The Department of Computer Science and Engineering at the University of California, Santa Cruz, invites applications for a tenure track (Assistant Professor) in Software Foundations. We seek outstanding applicants who have demonstrated research and teaching expertise in the areas of programming languages, program analysis, software verification, or language-based security. The successful candidate is expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, perform university, public, and professional service. The successful candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds.

We welcome candidates who understand the barriers facing women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

The Baskin School of Engineering has nationally and internationally known researchers and research groups in many areas, including programming languages, security, distributed systems, networking, data management, storage systems, architecture, machine learning, data mining, natural language processing, and AI. Our beautiful campus has a long history of embracing groundbreaking interdisciplinary work, and our proximity to Silicon Valley (only 35 minutes from campus) and San Francisco affords opportunities and avenues for collaborative research.

ACADEMIC TITLE
Assistant Professor

SALARY
Commensurate with qualifications and experience; academic year (9-month basis).

BASIC QUALIFICATIONS
A Ph.D. or equivalent foreign degree in Computer Science or other relevant field, expected to be completed by June 30, 2019; demonstrated record of research and teaching.

POSITION AVAILABLE
July 1, 2019 (with academic year beginning September 2019). All Ph.D. requirements must be completed by June 30, 2020 for employment beyond that date.

APPLICATION REQUIREMENTS
Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT
<http://apptrkr.com/1297689>
Please refer to Position # JPF00651-19 in all correspondence.

Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum vitae
- Statement addressing contributions to diversity through research, teaching, and/or service (required). Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>. - Statement of research plans
- Statement of teaching interests and experience
- 3-4 selected publications
- 3 confidential letters of recommendation*

Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

**All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.*

RECRUITMENT PERIOD
Full consideration will be given to applications completed by December 14, 2018. Applications received after this date will be considered only if the position has not been filled.

UC Santa Cruz faculty make significant contributions to the body of research that has earned the University of California the ranking as the foremost public higher education institution in the world. In the process, our faculty demonstrate that cutting-edge research, excellent teaching and outstanding service are mutually supportive.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

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If you need accommodation due to a disability, please contact the Academic Personnel Office at <mailto:apo@ucsc.edu> (831) 459-4300.

VISIT THE APO WEB SITE AT <http://apo.ucsc.edu>



Assistant Professor/Associate Professor, Serious Games
University of California, Santa Cruz
Department of Computational Media

The Department of Department of Computational Media <https://www.so.e.ucsc.edu/departments/computational-media> at the University of California, Santa Cruz invites applications for a tenure track (Assistant Professor) or tenured (Associate Professor) in Serious Games. We seek outstanding applicants who have demonstrated research and teaching expertise in scientific, technical, engineering, or design aspects of serious games, considered broadly, including game design and development, game user research, game based assessment, game artificial intelligence, interactive narrative, novel interface technologies, virtual reality, augmented reality, procedural content generation, game software engineering, agent architectures for game characters, game analytics and visualization, natural language generation and dialog systems for games, platform studies, and/or automated analysis of games.

The successful candidate is expected to develop a research program (Assistant Professor) or continue their established research program (Associate Professor), advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, perform university, public, and professional service. The successful candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds. This position is one of four faculty associated with the Professional MS program in Games and Playable Media and the Professional MS program in Serious Games, both located in the UCSC Silicon Valley Campus in Santa Clara, California.

This position is expected to spend multiple days per week in Santa Clara and is also expected to spend on average one day per week on the Santa Cruz campus (more during Santa Cruz teaching quarters). The primary office for this position is located in Santa Clara, due to the expectation of teaching and mentoring students in this location. Space for PhD students for this position is also located in Santa Clara. Graduate level teaching duties will be mainly at the Santa Clara campus with undergraduate courses to be taught at the Santa Cruz campus. The ability for on-demand transportation between Santa Clara and Santa Cruz with or without accommodations is essential.

LINK TO THE FULL FLIER:
<https://organization.so.e.ucsc.edu/sites/default/files/inline-files/JPF00661-19.pdf>

ACADEMIC TITLE
Assistant or Associate Professor

SALARY
Commensurate with qualifications and experience; academic year (9-month basis).

BASIC QUALIFICATIONS
A Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media or other relevant field, expected to be completed by June 30, 2019; demonstrated record of research and teaching.

POSITION AVAILABLE
July 1, 2019 (with academic year beginning September 2019). All Ph.D. requirements must be completed by June 30, 2020 for employment beyond that date.

APPLICATION REQUIREMENTS
Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT <http://apptrkr.com/1315807>
Please refer to Position # JPF00661-19 in all correspondence.

Documents/Materials:
Letter of application that briefly summarizes your qualifications and interest in the position

Curriculum vitae
Statement addressing contributions to diversity through research, teaching, and/or service (required). Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>.

Statement of research plans
Statement of teaching interests and experience
3-4 selected publications
3 confidential letters of recommendation*

Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

**All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.*

RECRUITMENT PERIOD
Full consideration will be given to applications completed by Monday, December, 17, 2018. Applications received after this date will be considered only if the position has not been filled.



UNIVERSITY OF CALIFORNIA
SANTA CRUZ



Computer Science and Engineering: Computer Security Assistant Professor (open until filled, initial review 12/14/18)

Recruitment Period

Open date: September 19th, 2018 **Next review date:** December 14th, 2018

Apply by this date to ensure full consideration by the committee. **Final date:** June 30th, 2019

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Description

The Department of Computer Science and Engineering at the University of California, Santa Cruz invites applications for a tenure track (Assistant Professor) in Computer Security. We seek outstanding applicants who have demonstrated research and teaching expertise in the areas of intrusion/anomaly detection, malware mitigation, systems and network security, cryptography, theory of security, or database and storage security. The successful candidate is expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, perform university, public, and professional service. The successful candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds.

We welcome candidates who understand the barriers facing women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

The Baskin School of Engineering has nationally and internationally known researchers and research groups in many areas, including programming languages, security, distributed systems, networking, data management, storage systems, machine learning, data mining, natural language processing, and AI. Our beautiful campus has a long history of embracing groundbreaking interdisciplinary work, and our proximity to Silicon Valley (only 35 minutes from campus) and San Francisco affords opportunities and avenues for collaborative research.

ACADEMIC TITLE

Assistant Professor

SALARY

Commensurate with qualifications and experience; academic year (9-month basis).

BASIC QUALIFICATIONS

A Ph.D. or equivalent foreign degree in Computer Science or other relevant field, expected to be completed by June 30, 2019; demonstrated record of research and teaching.

POSITION AVAILABLE

July 1, 2019 (with academic year beginning September 2019). All Ph.D. requirements must be completed by June 30, 2020 for employment beyond that date.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT <http://apptkr.com/1298265>

Please refer to Position # JPF00652-19 in all correspondence.

Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum vitae
- Statement addressing contributions to diversity through research, teaching, and/or service (required). Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>.
- Statement of research plans
- Statement of teaching interests and experience
- 3-4 selected publications
- 3 confidential letters of recommendation*

Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

RECRUITMENT PERIOD

Full consideration will be given to applications completed by December 14, 2018. Applications received after this date will be considered only if the position has not been filled.

UC Santa Cruz faculty make significant contributions to the body of research that has earned the University of California the ranking as the foremost public higher education institution in the world. In the process, our faculty demonstrate that cutting-edge research, excellent teaching and outstanding service are mutually supportive.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-2686

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at <mailto:apo@ucsc.edu> (831) 459-4300.

VISIT THE APO WEB SITE AT <http://apo.ucsc.edu>

Job location
Santa Cruz, CA

Requirements

Document requirements

- Cover Letter - Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum Vitae - Your most recently updated C.V.
- Statement of Contributions to Diversity - Statement addressing past and/or potential contributions to diversity through research, teaching, and/or service.
- Statement of Research Plans
- Statement of Teaching Interests and Experience
- Select Publication
- Select Publication
- Select Publication
- Select Publication (Optional)

Reference requirements

- 3 letters of reference required

How to apply

- Create an ApplicantID
- Provide required information and documents
- If any, provide required reference information



UNIVERSITY OF CALIFORNIA
SANTA CRUZ



**Computer Science & Engineering:
Natural Language Processing Asst and Assoc/Full Prof
(open until filled, initial review 12/03/18)**

Recruitment Period

Open date: October 3rd, 2018 Next review date: **December 3rd, 2018**

Apply by this date to ensure full consideration by the committee. **Final date: June 30th, 2019**

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Description

The Department of Computer Science and Engineering at the University of California, Santa Cruz invites applications for two positions in the field of Natural Language Processing. One position is at the tenured Associate or early stage Full Professor level, and the other position is at the tenure track Assistant Professor level. We seek outstanding applicants with research and teaching expertise in all areas of Natural Language Processing. We are especially interested in candidates who have contributed to one or more application areas of Natural Language Processing including but not limited to information extraction, dialogue systems, semantic parsing, sentiment analysis, question answering, and machine translation.

Both positions are associated with a proposed Professional MS program in Natural Language Processing to be located in the UCSJ Silicon Valley Campus in Santa Clara, California. The successful candidates will play an essential role in developing, growing, and shaping this new program. They are expected to develop a research program, advise Ph.D. students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, perform university, public, and professional service, and interact broadly with the large number of Natural Language Processing practitioners in Silicon Valley industrial research and advanced development labs. The successful candidates should be able to work with students, faculty and staff from a wide range of social and cultural backgrounds. In addition to the basic qualifications, applicants at the Associate or Full Professor level should have a demonstrated record of publications, demonstrated experience in university teaching at the undergraduate and graduate level or closely analogous activities, demonstrated record of extramural funding or similar success with garnering support for research endeavors, experience with research project management, and professional service; we also value industrial experience, and a track record of building product and applications based on NLP technology.

We welcome candidates who understand the barriers facing women and minorities who are underrepresented in higher education careers (as evidenced by life experiences and educational background), and who have experience in equity and diversity with respect to teaching, mentoring, research, life experiences, or service towards building an equitable and diverse scholarly environment.

The primary offices for these positions are located in Santa Clara, due to the expectation of teaching and mentoring students in this location. Space for PhD students for these positions is also located in Santa Clara. Graduate level teaching duties will be mainly at the Santa Clara campus with undergraduate courses to be taught at the Santa Cruz campus. The successful applicants will typically spend multiple days per week in Santa Clara and are also expected to spend on average one day per week on the Santa Cruz campus (more when teaching an undergraduate class on the Santa Cruz campus). The ability for on-demand transportation between Santa Clara and Santa Cruz with or without accommodations is essential.

The Computer Science and Engineering Department has nationally and internationally known research groups in Machine Learning, Data Science, Natural Language Processing and related fields. Our beautiful campus has a long history of embracing groundbreaking interdisciplinary work, and the proximity of the campus to Silicon Valley affords our faculty extensive opportunities for interactions and collaborations with industry.

ACADEMIC TITLES

Assistant Professor and Associate or early stage Full Professor

SALARY

Commensurate with qualifications and experience; academic year (9-month basis).

BASIC QUALIFICATIONS

A Ph.D. or equivalent foreign degree in Computer Science or a relevant field expected to be completed by June 30, 2019; demonstrated record of research and teaching.

POSITION AVAILABLE

July 1, 2019 (with academic year beginning September 2019). Degree must be in hand by June 30, 2019.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT <http://apptkr.com/1314700>

Please refer to Position # JPF00657-19 in all correspondence.

Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum vitae
- Statement addressing contributions to diversity through research, teaching, and/or service (required).
Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>.
- Statement of research plans
- Statement of teaching interests and experience
- 3-4 selected publications
- 3 confidential letters of recommendation*

Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

RECRUITMENT PERIOD

Full consideration will be given to applications completed by December 3rd, 2018. Applications received after this date will be considered only if the position has not been filled.

UC Santa Cruz faculty make significant contributions to the body of research that has earned the University of California the ranking as the foremost public higher education institution in the world. In the process, our faculty demonstrate that cutting-edge research, excellent teaching and outstanding service are mutually supportive.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at <mailto:apo@ucsc.edu> (831) 459-4300. VISIT THE APO WEB SITE AT <http://apo.ucsc.edu>

Job location

Santa Cruz, CA

Document requirements

- Cover Letter - Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum Vitae - Your most recently updated C.V.
- Statement of Contributions to Diversity - Statement addressing past and/or potential contributions to diversity through research, teaching, and/or service.
- Statement of Research Plans
- Statement of Teaching Interests and Experience
- Select Publication
- Select Publication
- Select Publication
- Select Publication (Optional)

Reference requirements

- 3 letters of reference required

How to apply

- Create an ApplicantID
- Provide required information and documents
- If any, provide required reference information Get started: press Apply Now

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

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

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

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

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

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

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

University of Chicago

Assistant Professor/Associate Professor/Professor, Computer Science

The Department of Computer Science at the University of Chicago invites applications from qualified candidates for faculty positions at the ranks of Assistant Professor, Associate Professor, and Professor. The University of Chicago is in the midst of an ambitious, multi-year effort to significantly expand its computing and data science activities including a new, state-of-the-art home for the Department of Computer Science that opened this year. Candidates with research interests in all areas of computer science will be considered. However, applications are especially encouraged in all aspects of AI and Machine Learning, Data Science and Analytics, Security, Human-Computer Interaction, and Visual Computing.

Candidates must have demonstrated excellence in research and a strong commitment to teaching. Completion of all requirements for a Ph.D. in Computer Science or a related field is required at the time of appointment. Candidates

for Associate Professor and Professor positions must have demonstrated leadership in their field, have established an outstanding independent research program and have a record of excellence in teaching and student mentorship.

Applications must be submitted through the University's Academic Jobs website.

To apply for Assistant Professor, go to <https://tinyurl.com/cs-asst-prof>

To apply for Associate Professor, go to <https://tinyurl.com/cs-assoc-professor>

To apply for Professor, go to <https://tinyurl.com/cs-professor>

The following materials are required:

- cover letter
- curriculum vitae including a list of publications
- statement describing past and current research accomplishments and outlining future research plans
- description of teaching philosophy and experience
- the names of at least three references

Please have your references submit their letters via e-mail to recommend@cs.uchicago.edu.

Review of applications will begin on December 15, 2018 and continue until positions are filled.

The University of Chicago has the highest standards for scholarship and faculty quality, is dedicated to fundamental

research, and encourages collaboration across disciplines. We encourage connections with researchers across campus in such areas as bioinformatics, mathematics, molecular engineering, natural language processing, statistics, public policy, and social science to mention just a few.

The Department of Computer Science (cs.uchicago.edu) is the hub of a large, diverse community of researchers focused on advancing the foundations of computing and driving its most advanced applications. The larger computing and data science community at the University of Chicago includes the Department of Statistics, the Center for Data and Applied Computing, the Toyota Technological Institute at Chicago (TTIC), the Polsky Center for Entrepreneurship and Innovation, the Mansueto Institute for Urban Innovation and the Argonne National Laboratory.

The Chicago metropolitan area provides a diverse and exciting environment. The local economy is vigorous, with international stature in banking, trade, commerce, manufacturing, transportation and a growing tech start-up scene. Lifestyle advantages include diverse cultures, fantastic restaurants, vibrant theater, world-renowned symphony, opera, jazz, and blues. The University is located in Hyde Park, a Chicago neighborhood on the Lake Michigan shore just a few minutes from downtown.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does

not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination at http://www.uchicago.edu/about/non_discrimination_statement/. Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email ACOppAdministrator@uchicago.edu with their request.

University of Chicago

RESEARCH ASSISTANT PROFESSOR Computer Science, Data-intensive Computing

The Department of Computer Science at the University of Chicago invites applications for a full-time Research Assistant Professor. This position will begin in the 2018-2019 academic year. Applicants must apply online at the University of Chicago's Academic Career Opportunities website at <https://tinyurl.com/y85x58o9>. Applications are required to include a cover letter, the names of two external references, curriculum vitae, and a research statement. Additionally, applicants should submit two published or unpublished research papers.

Working in collaboration with a faculty member in the Department of Computer Science, the Research Assistant Professor

will conduct original research and provide leadership for a research group working in Computer Science, with a particular focus on large-scale data-intensive computing. It is expected that the holder of this position will obtain grants, gifts, and/or contracts to fund the position.

The Research Assistant Professor is expected to have considerable research experience in large-scale data-intensive computing, and a history of successful projects at the boundary of computer science and other disciplines. The Research Assistant Professor is expected to initiate and manage research projects with faculty, researchers, post-docs, and students. The Research Assistant Professor should have extensive experience developing large-scale systems, managing large and distributed data, and executing scalable analyses using parallel and distributed computing infrastructure. Experience working with supercomputers and the Globus research data management service is also required. The Research Assistant Professor should have a strong publication record in Computer Science.

The Research Assistant Professor will play an active role in obtaining and carrying out funded research, and will serve as Principal Investigator and/or Co-Investigator on federal, foundation, and corporate research grants. Applicants must have a Ph.D. in Computer Science or a closely related field. Applicants must have at least five years' research experience,

demonstrated success in writing grant proposals, a strong publication history, and a commitment to research.

Review of applications will continue until the position is filled. Only short-listed candidates will be contacted. Invited candidates will be required to present a Research Seminar.

The University of Chicago has the highest standards for scholarship and faculty quality, is dedicated to fundamental research, and encourages collaboration across disciplines. We encourage connections with researchers across campus in such areas as bioinformatics, mathematics, molecular engineering, materials science, physics, and statistics to mention just a few.

The Chicago metropolitan area provides a diverse and exciting environment. The local economy is vigorous, with international stature in banking, trade, commerce, manufacturing, and transportation, while the cultural scene includes diverse cultures, vibrant theater, world-renowned symphony, opera, jazz, and blues. The University is located in Hyde Park, a Chicago neighborhood on the Lake Michigan shore just a few minutes from downtown.

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

status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination at http://www.uchicago.edu/about/non_discrimination_statement/.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email ACOppAdministrator@uchicago.edu with their request.

University of Colorado, Boulder

Open Rank Faculty Positions in Computer Engineering

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

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

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

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

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

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

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

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

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

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

University of Colorado Boulder

Open Faculty Positions in Machine Learning

The Department of Computer Science at the University of Colorado Boulder seeks applications for tenure-track faculty positions in the area of Machine Learning. These positions are part of the long-term growth plans for the College of Engineering and Applied Science, and we are especially interested in qualified candidates who can contribute, through their research, teaching, and service, to the diversity and excellence of our academic community. The positions are

open at all levels, with emphasis on applicants at the Assistant Professor level. Within Machine Learning, we are particularly interested in candidates in deep learning who develop novel algorithms and architectures, with potential application areas including Natural Language Processing, Robotics, Vision, and Artificial General Intelligence. Our primary consideration is the originality, intellectual diversity, and promise of the candidate's work.

Learn about this and other open positions in CU Engineering at www.colorado.edu/engineering/faculty-positions-0.

University of Colorado - Boulder

Open Rank Faculty Positions in Quantum Information Science and Engineering

The College of Engineering and Applied Science at the University of Colorado Boulder is seeking applications for tenure-track faculty positions at all levels in the area of Quantum Information Science and Engineering. Within this broad area we are focusing on candidates in the areas of Quantum Computing and Communications Systems, Quantum Sensors and Metrology, Quantum Materials and Devices, as well as supporting technologies.

For position details and application information, please visit the following link: <https://jobs.colorado.edu/jobs/JobDetail/Open-Faculty-Positions-in-Quantum-Information-Science-Engineering/13232>

The University of Colorado is an Equal Opportunity/Affirmative Action employer.

University of Colorado Colorado Springs

Dean - College of Engineering & Applied Science

The University of Colorado Colorado Springs (UCCS) invites applications for the Dean of the College of Engineering & Applied Science. The Dean is the chief academic and administrative officer of the college and reports to the Executive Vice Chancellor for Academic Affairs. The Dean demonstrates strong leadership, management and development skills to support faculty in teaching, research, and service within the departments of Computer Science, Electrical and Computer Engineering, and Mechanical and Aerospace Engineering. The Dean leads with a clear vision of excellence in engineering research and education and possesses excellent communication and interpersonal skills. The Dean will be able to promote and articulate the College's vision and mission within the College and the campus, and to external constituents in the public and private sector. The Dean must work collegially with fellow members of the Deans' Council and other senior university administrators to advance the mission of the University.

To apply, please visit us at <https://cu.taleo.net/careersection/jobdetail.ftl?job=14831&lang=en#.W6IAJuUPEyk.mailto>

University of Colorado Colorado Springs

Gallogly Endowed Chair of Cybersecurity

The University of Colorado Colorado Springs (UCCS) is seeking applications for the Gallogly Endowed Chair of Cybersecurity.

For further information about UCCS, details about the position, and the application process, please visit:

<https://cu.taleo.net/careersection/jobdetail.ftl?job=14661&lang=en#.W6p6pdQ8n4o.mailto>

University of Connecticut

Professor and Synchrony Financial Chair for Cybersecurity

The Computer Science & Engineering (CSE) Department at the University of Connecticut invites applications for the Synchrony-Financial Endowed Chair in Cybersecurity, a tenure-track faculty position at the associate or full professor level. The position has an expected start date of August 23, 2019. This position seeks to advance education and research in Computer Science with a particular emphasis in Cybersecurity or related specialties.

Please visit <https://academicjobsonline.org/ajob/jobs/12084> to view the full description.

University of Delaware

Tenure Track Faculty Positions in Data Science, Assistant/Associate Professor

The University of Delaware (<http://www.udel.edu/>) invites applications for tenure-track faculty positions in Data Science at the Assistant or Associate Professor levels beginning September 1, 2019. We are seeking exceptional candidates with interests in a wide range of topics within the foundations of data science including the development of the underlying theory, tools, and techniques necessary to extract meaning from large, complex or unstructured data sets.

<http://apply.interfolio.com/55764>

University of Denver

Professor (Open Rank), Artificial Intelligence and Data Science

The Daniel Felix Ritchie School of Engineering and Computer Science (RSECS) at the University of Denver (DU) invites applications for three tenure-track/tenured faculty position at all levels in the areas of Artificial Intelligence (AI) and Data Science (particularly in machine learning or data mining).

To view the complete job posting and submit an application, please visit www.du.edu/jobs.

University of Denver

Professor (Open Rank), Cyber-Physical Systems and Cybersecurity

The Daniel Felix Ritchie School of Engineering and Computer Science (RSECS) at the University of Denver (DU) invites applications for a tenure-track/tenured faculty position at all levels in the areas of Cyber-Physical Systems and Cybersecurity. We are looking for exceptional candidates who are committed to developing or enhancing a research portfolio and funded research program, carrying out innovative teaching, and engaging with a vibrant and diverse collaborative community.

To view the complete job posting and submit an application, please visit www.du.edu/jobs.

University of Denver

Professor (Open Rank), Robotics/ Mechatronics

The Daniel Felix Ritchie School of Engineering and Computer Science (RSECS) at the University of Denver (DU) invites applications for two tenure-track/tenured faculty positions at all levels in the area of Robotics/Mechatronics.

To view the complete job posting and submit an application, please visit www.du.edu/jobs.

University of Denver

Assistant/Associate Professor, Smart City

The Daniel Felix Ritchie School of Engineering and Computer Science (RSECS) at the University of Denver (DU) invites applications for a tenure-track/tenured faculty position at the Assistant or Associate Professor level in the areas of smart city with a focus on electricity infrastructure.

To view the complete job posting and to submit an application, please visit www.du.edu/jobs.

University of Florida

Post Doctoral Associate

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

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

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

More details about the position and application procedure:

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

The University of Florida is an Equal Opportunity Employer.

University of Georgia

Lecturer positions in Computer Science

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

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

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

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

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

University of Georgia

Tenure-track Assistant Professor in Computer Science

The Department of Computer Science at the University of Georgia invites applications for a tenure-track assistant professor position, starting August 2019. Applicants should hold a Ph.D. in Computer Science or closely related field, have a strong research record, and be

committed to excellence in both research and teaching. We are interested in candidates with a research background in Cybersecurity. Candidates with significant research experience in web security, including security and privacy aspects of online social media, are especially encouraged to apply.

We currently have four successful faculty members working in the cybersecurity and privacy areas, with foci on systems, network security and privacy. The ideal candidate for this position will complement and further strengthen our department's research and education efforts in computer Security and privacy. This position offers a competitive salary and generous startup package.

UGA has established an Institute for Cyber Security and Privacy (ICSP), which is housed in the Computer Science Department. The University of Georgia has been designated as a National Center of Academic Excellence in Cyber Defense Research (CAE-R) through academic year 2022.

Additional information about the ICSP can be found at the following link: <http://cybersecurity.uga.edu/>

Computer Science is a growing and congenial department of 34 faculty within the Franklin College of Arts and Sciences. The department has nearly 1,114 undergraduate and over 195 graduate students and offers the B.S., M.S., and Ph.D. degrees in CS. The teaching load allows for substantial concentration on research. In addition

to the areas in which we are recruiting, our faculty cover a broad range of research interests, including algorithms, artificial intelligence, bioinformatics, brain imaging and mapping, computer security, computational science and high-performance computing, computer vision, data privacy, data science, distributed and real-time systems, machine learning, parallel and distributed computing, robotics, simulation, and semantic web.

The University of Georgia (<http://uga.edu/>), founded in 1785, is the oldest land-grant university in the nation, with a student body of over 36,000. It is located in Athens (<http://www.visitathensga.com/>) a charming and historic university town of about 120,000, approximately 65 miles from Atlanta, with mild winters and warm summers. The University boasts a major Performing Arts Center and has one of the largest student athletic recreation facilities in the U.S. It has been consistently ranked among the top 20 public universities by U.S. News and World Report.

To apply, please go to <https://www.ugajobsearch.com/xxxxxx>. Please upload a cover letter, curriculum vitae, and short statements of research interests and teaching philosophy. Please provide contact information (email) for three references.

Review of candidates will begin on November 10, 2018 and will continue until the position is filled. Please see <http://www.cs.uga.edu> for more information about the department and the university.

The Franklin College of Arts and Sciences, its many units, and the University of

Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities, protected veterans and individuals with disability are encouraged to apply.

The University of Georgia is an EOO/AA institution, and does not discriminate based on race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, gender identity, sexual orientation or protected veteran status.

The University of Hong Kong

Tenure-Track Faculty Position - FinTech

Applications are invited for Associate Professor / Assistant Professor, full-time positions tenable from January 1, 2019. Applicants should have a Ph.D. degree in Computer Science, Computational Finance, Statistics or a related field, with research interest in one of the following areas: security and privacy issues in financial applications, emerging technologies related to finance such as blockchain, cryptocurrency, e-payment, data analytics related to finance, computational and quantitative finance, and any area related to financial technology. He/She should have a strong commitment to research and teaching.

More information can be found at: <http://jobs.hku.hk/jd.php?id=201801555>.

Application and enquiries should be sent to recruitment@cs.hku.hk

University of Illinois at Chicago

Clinical Track Teaching Faculty - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking multiple full-time teaching faculty members to start Fall 2019. The clinical teaching track is a long-term career track that starts with the Clinical Assistant Professor position, and offers opportunities for advancement to Clinical Associate Professor and Clinical Full Professor. Applicants should have a PhD in Computer Science, and candidates interested in Computer Science Education research are especially encouraged to apply. Candidates would be working alongside 13 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/systems, web development, data science, software engineering, and machine learning. The standard teaching load is 2-3 undergraduate courses per semester (depending on course enrollment).

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report), a top-10 best value (Wall Street Journal and Times Higher Education) and a hispanic serving institution. UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include a PhD in Computer Science or a closely related field, and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at <https://jobs.uic.edu/>. In the online application, include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

For fullest consideration, please apply by October 18, 2018. We will continue to accept and review applications until the positions are filled. The University of Illinois

is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Lecturer - Non-Tenure Track - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking multiple full-time teaching faculty members to start Fall 2019. The lecturer teaching track is a long-term career track that starts with the Lecturer position, and offers opportunities for advancement to Senior Lecturer. Candidates would be working alongside 13 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/systems, web development, data science, software engineering, and machine learning. The standard teaching load is 2-3 undergraduate courses per semester (depending on course enrollment).

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report), a top-10 best value (Wall Street Journal and Times Higher Education) and a hispanic serving institution. UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include an MS in Computer Science or a closely related field or appropriate graduate degrees for specific course material (e.g., computer ethics), and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching.

Applications are submitted online at <https://jobs.uic.edu/>. In the online application, include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, and a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

University of Illinois Springfield

Assistant Professor, Computer Science

The Computer Science Department at the University of Illinois Springfield (UIS) invites applications for three Assistant Professor, tenure track positions to begin August, 2019. The UIS Computer Science Department offers innovative programs in software engineering, information systems security, and data analytics. The department has been designated a National Center for Academic Excellence in Cyber Defense Education, and prides itself on its small class sizes and distinguished faculty dedicated to research and teaching. Applicants, especially early career, are invited. Salary is competitive and commensurate with qualifications. This is a full-time on-campus position. UIS tenure-system faculty are expected to be available and engaged in the campus community, with assigned professional responsibilities for teaching, scholarship, and service.

Located in the state capital, the University of Illinois Springfield is one of three members of the University of Illinois system. The University serves approximately 5,000 students in 22 graduate and 30 undergraduate programs. The academic curriculum offers students a strong liberal arts core, a wide range of professional programs, and close faculty interaction. Making the most of its location in the state capital, UIS is broadly engaged in public policy and service. Its diverse student body includes traditional, non-traditional, and international

students. Twenty-five percent of majors are in 17 undergraduate and graduate online degree programs and the campus has received several national awards for its implementation of online learning. UIS faculty are committed teachers, active scholars, and professionals in service to society. You are encouraged to visit the university web page at <http://www.uis.edu> and the department web page at <http://csc.uis.edu>.

Duties: The position involves on campus and online development and delivery of graduate and undergraduate computer science courses, a productive research program, service, and engaging students in research.

Qualifications: A Ph.D. in Computer Science or closely related field is required (candidates who have completed all course work and have successfully defended the dissertation will be considered if such documentation is provided). Areas of desired specialty include computer security, data analytics, software engineering and algorithms; however, all areas will be considered.

Applications must be submitted online at <https://jobs.uis.edu/job-board>. Applicants should navigate to the Faculty category and Computer Science position. To apply, click the "Apply for Position", create a profile, complete the online application, and upload a cover letter, curriculum vita, and contact information for three professional references. Letters of reference and transcripts may be requested at a later date. Review of

applications will begin on December 21, 2018 and continue until the positions have been filled or the search is terminated. Only those applicants who complete the online application and upload all required materials by December 20, 2018 will be considered. To maintain the integrity and confidentiality of the search, applicants are asked to upload their own materials.

UIS is an affirmative action/equal opportunity employer with a strong institutional commitment to recruitment and retention of a diverse and inclusive campus community. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois Springfield

Assistant Professor, Computer Science/ Information Systems Security, and Director of Center for Academic Excellence

The Computer Science Department at the University of Illinois Springfield (UIS) invites applications for two Assistant Professor in Computer Security, tenure track positions to begin August, 2019, one of whom will be selected to serve as Director of the Center for Academic Excellence. The UIS Computer Science

Department offers an innovative program in Information Systems Security and has been designated a National Center for Academic Excellence in Cyber Defense Education. The department prides itself on its small class sizes and distinguished faculty dedicated to research and teaching. Applicants, especially early career, are invited. Salary is competitive for the computer security field and is commensurate with qualifications. This is a full-time on-campus position. UIS tenure-system faculty are expected to be available and engaged in the campus community, with assigned professional responsibilities for teaching, scholarship, and service.

Located in the state capital, the University of Illinois Springfield is one of three members of the University of Illinois system. The University serves approximately 5,000 students in 22 graduate and 30 undergraduate programs. The academic curriculum offers students a strong liberal arts core, a wide range of professional programs, and close faculty interaction. Making the most of its location in the state capital, UIS is broadly engaged in public policy and service. Its diverse student body includes traditional, non-traditional, and international students. Twenty-five percent of majors are in 17 undergraduate and graduate online degree programs and the campus has received several national awards for its implementation of online learning. UIS faculty are committed teachers, active scholars, and professionals in service to society. You are encouraged to visit

the university web page at <http://www.uis.edu> and the department web page at <http://csc.uis.edu>.

Duties:

These positions involve conducting research, and teaching graduate and undergraduate computer security courses. One of the two positions will serve as Director of the Center for Academic Excellence in Cyber Defense Education.

Qualifications:

A Ph.D. in Computer Science or closely related field is required. Candidates who have completed all course work and have successfully defended the dissertation will be considered if such documentation is provided.

Applications must be submitted online at <https://jobs.uis.edu/job-board>.

Applicants should navigate to the Faculty category and Computer Science/Information Systems Security position. To apply, select the "Apply for Position" button below, create a profile, complete the online application, and upload a cover letter specifically addressing required experience and preferred qualifications, curriculum vita, and contact information for three professional references. Letters of reference and transcripts may be requested at a later date. Review of applications will begin on December 21, 2018 and continue until the positions have been filled or the search is terminated. Only those applicants who complete the online application and upload all required materials by December 20, 2018 will be considered. To maintain the integrity and

confidentiality of the search, applicants are asked to upload their own materials.

UIS is an affirmative action/equal opportunity employer with a strong institutional commitment to recruitment and retention of a diverse and inclusive campus community. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Urbana-Champaign

Positions in Computing

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

inclusion through research, teaching, and/or service endeavors.

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

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

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

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

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

University of Illinois at Urbana-Champaign

College of Engineering: Professor (Open Rank) – Computer Science

The Department of Computer Science at the University of Illinois at Urbana-Champaign invites applications for multiple faculty positions at all levels and in all areas of Computer Science. We encourage applications in Data, Machine Learning, Quantum computing, Robotics, Security, and Systems, but applicants from all traditional as well as non-traditional and interdisciplinary areas of Computer Science are urged to apply. This is a 100% tenure-track appointment on an academic year (nine-month) service basis paid over twelve months.

Applicants are required to have (or expected to receive) a Ph.D. or equivalent degree in Computer Science or a related field. Additional qualifications include the ability to teach effectively at both the graduate and undergraduate levels and the potential to initiate and carry out independent research. Ideal candidates include those who demonstrate evidence of a commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors. Appointments with tenure and higher ranks are available for persons with commensurate research and teaching experience, including tenured full Professor positions as part of the \$100-million Grainger Engineering Breakthroughs Initiative.

A full description of this position announcement can be found at <http://cs.illinois.edu/faculty-positions>.

Application review and interviewing will begin immediately, and early applications before November 25, 2018 are strongly encouraged. All applications received before January 4, 2019 will receive full consideration. Applications can be submitted by going to <http://jobs.illinois.edu>. For inquiry, please email HR@cs.illinois.edu.

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

Illinois is an EEO Employer/Vet/Disabled (www.inclusiveillinois.illinois.edu) and committed to a family-friendly environment (<http://provost.illinois.edu/worklife/index.html>).

University of Illinois at Urbana-Champaign

*SCHOOL OF INFORMATION SCIENCES
Open Rank Faculty Position in UX/HCI*

The School of Information Sciences (iSchool) seeks to hire an outstanding full-time faculty member (rank open). Preference will be given to specialization in user experience/human-computer interaction and design, including social computing, computer-supported cooperative work, social media, crowdsourcing, collective intelligence, interaction design, and multi-disciplinary study of the design, and use and effects

of ICTs. Strong candidates in other areas may also be considered.

The U of I is an EEO Employer/Vet/Disabled
www.inclusiveillinois.illinois.edu

The iSchool is an established national leader in both groundbreaking information science research and the preparation of leading information professionals. Our faculty have key roles in national initiatives and professional societies and our close relationships with scientific and cultural institutions ensure that our research engages critical societal challenges.

Appointments made under this announcement will be effective August 16, 2019. The full job announcement and more Information about iSchool programs and faculty can be found at: <http://ischool.illinois.edu/>. To ensure full consideration, applicants must apply by November 20, 2018. We especially welcome applications from members of under-represented groups working in these or other areas of the information sciences.

University of Iowa

Assistant Professor / Instructional Track Positions in Computer Science

The University of Iowa Computer Science Department invites applications for two tenure-track and one instructional-track faculty positions, effective August 2019. Postdoctoral research positions are also available within specific research groups.

We seek two tenure-track assistant professors in systems broadly construed,

i.e., operating systems, security, cyber-physical and embedded systems, distributed and high-performance systems, IoT, medical devices, safety-critical systems, data-intensive systems, cloud computing, cyber-human systems, programming language design, compilers, verification for reliability or security, memory safety, concurrency, program analysis, secure compilation, and the analysis of legacy systems, etc. Candidates must hold a PhD in computer science or closely related discipline upon appointment; research interests must align with these areas. Prior record of publication in leading venues and/or prior teaching experience are desirable. Responsibilities include conducting research in the candidate's area of expertise, teaching undergraduate and graduate courses, supervising graduate student research, and making service contributions to the University and the discipline.

We are also seeking instructional faculty with interests from across the spectrum of computer science and informatics, including data analytics, systems software, machine learning, theory and algorithms, embedded systems, networks and smart sensors, HCI, computer graphics, visualization, etc. Candidates must hold a PhD in computer science or a closely related discipline at time of appointment. Prior teaching experience is desirable. Responsibilities include contributing to the Department's multidimensional educational mission, teaching undergraduate and graduate courses, and making service contributions to the University and the discipline.

Postdoctoral research positions are also available in several of the Department's many externally funded research groups.

For complete information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Tenure- and instructional-track faculty applications received by January 1, 2019 are assured of full consideration; postdoctoral applicants will be considered on a rolling basis.

The Department of Computer Science and the College of Liberal Arts and Sciences are strongly committed to diversity; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity / affirmative action employer.

University of Maryland

Capital One Chair, Faculty Position Department of Computer Science University of Maryland College Park Position #123708

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill two endowed professorship funded through a generous gift from Capital One with start dates on

or after July 1, 2019. The openings are not restricted to any rank and outstanding candidates at all levels are encouraged to apply. Successful applicants will also be given joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in Machine Learning, Data Science, and Cybersecurity are being sought. Applicants working at the boundary of computer science and other disciplines are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply on-line at <https://ejobs.umd.edu> AND at <http://hiring.cs.umd.edu/capitalone/> in order to receive consideration. Search under Faculty for position #123708. The review of applications the process will continue until the positions are filled. Candidates will be prompted when submitting applications to submit a cover letter, a curriculum vitae, research and teaching

statements, and recommendation letters from at least four references. Questions about these positions can be directed to the faculty recruitment committee at: capitaloneresearch@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 50 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 200 doctoral students drawn from top undergraduate programs nationally and internationally. In 2018 the department is slated to occupy its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Innovation, which is currently under construction. Additional information about the Department of Computer Science and UMIACS is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <http://csctr.cs.umd.edu>.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250 acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research organizations, embassies, think tanks, cultural centers, and nonprofit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Massachusetts Amherst

FT/PT Lecturer/Sr. Lecturer

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

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

University of Massachusetts Amherst

*Assistant/Associate
Professor - Informatics*

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

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

University of Memphis

*Department of Computer Science
Assistant Professors*

The Department of Computer Science at the University of Memphis is seeking candidates for multiple Assistant Professor positions beginning Fall 2019. Exceptionally qualified candidates in all areas of computer science are invited while candidates with core expertise in cyberhuman systems (including computer vision, speech recognition, computer graphics, and human computer interaction

(HCI)) and CS education, are particularly encouraged to apply. Candidates from minority and underrepresented groups are highly encouraged to apply. Successful candidates are expected to develop externally sponsored research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels.

Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is highly competitive and dependent upon qualifications.

The Department of Computer Science (www.cs.memphis.edu) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance, and participates in an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department has been ranked 55th among CS departments with federally funded research. The Department regularly engages in large scale multi university collaborations across the nation. For example, CS faculty lead the NIH funded Big Data "Center of Excellence for Mobile Sensor Data to Knowledge (MD2K)" and the "Center for Information Assurance (CfIA)". In addition, CS faculty work closely with multidisciplinary centers at the university such as the "Institute for Intelligent Systems (IIS)".

Known as America's distribution hub, Memphis ranked as America's 6th best city for jobs by Glassdoor in 2017. Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and

has a pleasant climate with an average temperature of 63 degrees.

Screening of applications begins immediately. For full consideration, application materials should be received by November 25, 2018. However, applications will be accepted until the search is completed.

To apply, please visit <https://workforum.memphis.edu/>. Include a cover letter, curriculum vitae, statement of teaching philosophy, research statement, and three letters of recommendation.

Direct all inquiries to Corinne OConnor (cconnor2@memphis.edu).

A background check will be required for employment. The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

University of Miami

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

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

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

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

Initial screening of applications will begin immediately, with hires expected to start in January, 2019. Applications will be accepted online until the positions are filled at coe.miami.edu/eceposition.

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

University of Michigan

Tenure Track Position(s) Data Science

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

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

U-M EEO/AA Statement

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

University of Michigan

Computer Science and Engineering Faculty Positions

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

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

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

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

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

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

The University of Michigan has a storied legacy of commitment to Diversity, Equity and Inclusion (DEI). The Michigan Engineering component of the

University's comprehensive, five-year, DEI strategic plan—with updates on our programs and resources dedicated to ensuring a welcoming, fair, and inclusive environment—can be found at:

<http://www.engin.umich.edu/college/about/diversity>.

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

University of Michigan

Tenure-track Professor at the Assistant level in social media

The School of Information at the University of Michigan (UMSI) seeks a tenure-track professor at the assistant level in social media. UMSI seeks applicants who can contribute to the research, teaching, and service missions of the school and the university. Broadly construed, the research areas of interest include, but are not limited to:

- online harassment
- discussion norms and communities
- social support
- social capital
- information-seeking
- misinformation and disinformation in social media channels
- online civility
- content moderation and regulation

Successful candidates may employ a range of approaches, with a preference for qualitative, survey-based, or experimental methods. We also have a

particular interest in candidates who can use their research to promote safe and productive interactions in social media, such as through the work of UMSI's newly founded Center for Social Media Responsibility (www.si.umich.edu/research/center-social-media-responsibility).

Job Expectations and Responsibilities:

Each contributing member of the UMSI faculty is expected to have teaching effort equivalent to three residential courses per year. In addition to formal classroom and/or online teaching, faculty are expected to work with students by serving as advisors for independent studies, master's projects and theses, and doctoral dissertations. Job duties include teaching, research and service. Additional job responsibilities include but are not limited to:

- Conducting scholarly research resulting in publications in peer reviewed journals, book chapters, edited books, books, and conference papers
- Seeking outside funding to support their research
- Providing service to the school, University, and the broader academic community by way of committee work, journal editing, and other various opportunities

About UMSI and UM

The mission of the School of Information is to create and share knowledge to help people use information -- with technology -- to build a better world. A successful candidate will be committed to, and will

directly contribute to our goal of being the best research and teaching institution for the understanding and design of information and its technologies in service of people and society.

The School is home to vibrant research and teaching programs, with 50 FTE faculty, and over 900 students. We offer four degrees: a Ph.D.; a Master of Science in Information; a Master of Health Informatics; and a Bachelor of Science in Information. In the fall of 2019 we expect to launch a new online degree: Master of Applied Data Science.

Founded in 1817, the University of Michigan has a long and distinguished history as one of the first public universities in the nation. It is one of only two public institutions consistently ranked among the nation's top ten universities. The University has one of the largest health care complexes in the world and one of the best library systems in the United States. With more than \$1 billion in research expenditures annually, the University has the second largest research expenditure among all universities in the nation. The University has an annual general fund budget of more than \$2.1 billion and an endowment valued at more than \$10.9 billion. For more information about UMSI or other job opportunities please visit www.si.umich.edu

Minimum Qualifications

- Ph.D. in an area such as information, computer science, communication studies, the humanities or social sciences, or other relevant area
- Demonstrated potential for successful teaching at the undergraduate and graduate level

- Demonstrated potential for high scholarly impact
- A strong commitment to teaching, interdisciplinary research, and cultural diversity

How to Apply:

All applicants should submit a cover letter, a vita, three representative publications, evidence of teaching excellence, a statement of teaching philosophy and experience, a statement of current and future research plans, contributions to diversity, and three letters of recommendation. All application materials must be submitted electronically to: <https://apply.interfolio.com/55147>. Please direct enquiries about this position to the chair of our faculty search committee, Dr. Kevyn Collins-Thompson (kevynct@umich.edu). This is a rolling search and we plan to make offers as qualified candidates are identified. Consideration of applications will begin immediately.

Background Screening

The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third party administrator to conduct background checks. Background checks will be performed in compliance with the Fair Credit Reporting Act.

U-M EEO/AA Statement

The University of Michigan is an equal opportunity/affirmative action employer.

University of Minnesota

Tenure-track Faculty Positions in Computer Science and Engineering

The Department of Computer Science & Engineering at the University of Minnesota-Twin Cities is hiring to fill multiple tenure-track positions at the assistant professor level, although higher levels of appointments may be considered when commensurate with experience and accomplishments. Candidates with teaching and research interests in software engineering; human-computer interaction; theoretical computer science; systems related to big data processing, cloud, embedded, mobile and stream computing; privacy and security in data and information systems; and platforms and paradigms to support big data and Internet-of-Things (IoT) are encouraged to apply.

One of the positions is in support of a University-wide initiative (MnDRIVE) on robotics, sensors, and advanced manufacturing (<http://cse.umn.edu/mndrive>). Topics of interest include machine learning; computer graphics/simulation/visualization; robot design, manipulation, mobility, planning, algorithmic foundations, and human-robot interaction; and embedded systems.

The Department of Computer Science & Engineering is fully committed to a diverse faculty because excellence emerges when individuals with different backgrounds and experiences engage. We therefore welcome applications from individuals who will further expand that diversity; women and other underrepresented groups are especially encouraged to apply.

Candidates must have a Ph.D. in Computer Science or a closely related discipline at the time of appointment.

Submit materials as described at <https://www.cs.umn.edu/apflow/faculty18>.

Consideration of completed applications will begin December 1, 2018, and continue until the positions are filled.

The University of Minnesota is an equal opportunity employer and educator.

University of Mississippi

Assistant Professor

The Department of Computer and Information Science at the University of Mississippi invites applications for one or more tenure-track Assistant Professor positions. Applicants must hold a PhD or equivalent in Computer Science or a closely related field by August 15, 2019. Applicants must have the ability to teach both graduate and undergraduate courses, conduct research in major areas of computer science, and supervise MS and PhD students.

The Department has an ABET/CAC-accredited undergraduate program and MS/PhD programs. Visit <http://www.cs.olemiss.edu> for more information about the Department. Applicants must apply online at careers.olemiss.edu, supplying the following documents: a cover letter; curriculum vitae; research and teaching statements; and a list of three references with email addresses and phone numbers. Combine the documents into a single PDF and upload in the resume or cover letter slot. Review of applications will begin immediately.

and continue until the positions are filled or an adequate applicant pool is reached.

For ten consecutive years, the University of Mississippi has been recognized as one of the best colleges in the nation to work for by The Chronicle of Higher Education.

The University of Mississippi is an EOE/AA/Minorities/Females/Vet/Disability/Sexual Orientation/Gender Identity/Title VI/Title VII/Title IX/504/ADA/ADEA employer.

University of Missouri-Columbia

*Department of Electrical Engineering and Computer Science
Postdoctoral Researcher*

MU is inviting applications for a postdoctoral position in areas of network management and cloud computing. Promising candidates should have a PhD and proven ability, or strong potential, for excellence in research and development. Applicants should submit CV and a Letter of Motivation through Job posting at <https://hrs.missouri.edu/find-a-job/academic> (Refer to Job ID: 28036).

Deadline for application is December 10th, 2018.

University of Nebraska at Kearney

Associate or Full Professor/Department Chair, Cyber Systems

The newly formed Cyber Systems Department is seeking a Tenure Track Associate or Full Professor to begin



**Computer Science, Big Data/Health Disparities
Assistant/Associate/Professor, UNLV College of Engineering**

The Department of Computer Science at the University of Nevada, Las Vegas (UNLV) invites applications for a full-time tenure-track/tenured faculty position [R0112275] at all ranks in the area of Big Data commencing Fall 2019.

The selected applicant will be expected to perform excellent research, teaching, and service in Big Data including data mining, data analytics, data visualization, database modeling, machine learning, scalable computing, software and hardware systems for big data processing, and distributed/parallel computing.

The UNLV Top Tier Initiative is an extension of our vision of entering the top 100 American research universities, as designated by the Carnegie Foundation as a Highest Research Activity (R1) University. The Computer Science department is integral to UNLV's Top Tier Initiative with research activities and expenditures in Big Data, Programming Language, Cybersecurity and Theory areas. Our faculty members have received many prestigious research and educational awards, including The U.S. Congressional Recognition Award, The White House Champions of Change award in computer science education, The U.S. Army Mentorship Award, IEEE Computer Society Distinguished Service Award, etc.

For more information, please visit <https://www.unlv.edu/jobs>

For assistance with the application process, please contact UNLV Human Resources at (702) 895-3504 or applicant.inquiry@unlv.edu.

EEO/AA/Vet/Disability Employer

by July 1, 2019. Please refer to the UNK Website for a full job description and instructions on how to apply.

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

University of Nebraska-Lincoln

Assistant Professor in Computer Science and Engineering (Cybersecurity)

The Department of Computer Science and Engineering at the University of Nebraska-Lincoln invites applications for a tenure track Assistant Professor position in the field of Cybersecurity to begin Fall 2019.

Promising candidates with interests in, but not limited to, Computer Security, Network Security, Hardware Security, and Data Privacy are encouraged.

Applicants must have a demonstrated potential for outstanding research and a promise of effective teaching at undergraduate through graduate levels, including the advising of M.S. and Ph.D. students. Applicants should have earned a Ph.D. in computer science, computer engineering or a related field before their start date. Applicants should have demonstrated success in the research area of cybersecurity. Applicants must have excellent communication skills and a strong desire to work in a diverse and collaborative cross-disciplinary environment. Candidates with demonstrated cross-disciplinary research experience and/or existing connections with the national security enterprise are particularly encouraged.

UNL is Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest

Research Activity [Carnegie CIHE].

UNL is expanding its national security research and instruction via its extensive collaborations with the nearby US Strategic Command (USSTRATCOM) and Nebraska University's National Strategic Research Institute, one of DoD's University Affiliated Research Centers (UARC). Lincoln is consistently ranked among the nation's top cities for livability and quality of life.

To apply, complete the information form at <http://employment.unl.edu>, requisition F_180181. Attach 1) a single-page cover letter explaining your interest in the position, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research and scholarship, and 5) a list of at least three references. Statements and papers (#3 and #4) will need to be combined into one document. Review of applications will begin November 15, 2018 and will continue until the position has been filled. More information can also be viewed at: <http://cse.unl.edu/facultysearch>. Direct questions to Professor Byrav Ramamurthy, Search Committee Chair, at byrav@cse.unl.edu.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See <http://www.unl.edu/equity/notice-nondiscrimination>.

University of Nebraska-Lincoln

Assistant/Associate/Full Professor in Software Engineering

The Department of Computer Science and Engineering at the University of Nebraska – Lincoln invites applications for two tenured/tenure-track faculty positions at all ranks (Assistant/Associate/Full Professor) to begin Fall 2019 with an endowed chair position for an outstanding senior hire.

We seek faculty colleagues who can establish a strong scholarly research and teaching program in the field of software engineering. In addition to researchers in core software engineering areas, we also are interested in researchers who are open to bridging software engineering to other research strengths in the department/university.

Applicants for the Assistant Professor rank must have a demonstrated potential for outstanding research and a promise of effective teaching at the undergraduate through graduate levels including the advising of M.S. and Ph.D. students. Applicants for higher rank, in addition to demonstrated track record of outstanding research and effective teaching and mentorship, must have potential or a demonstrated track record of leadership in software engineering. Applicants should have earned a Ph.D. in Computer Science or related field before their start date.

UNL is committed to the continued growth of the CSE Department and will have multiple faculty openings in the coming years.

UNL is Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest Research Activity [Carnegie CIHE]. Lincoln is consistently ranked among the Nation's top cities for livability and quality of life.

To apply, complete the Faculty/Administration application (Req.#F_180167) at <http://employment.unl.edu> and attach 1) a single-page cover letter explaining your interest in the position, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research and scholarship, and 5) a list of at least three references.

Review of applications will begin on Nov 15, 2018 and will continue until the position has been filled.

Direct questions to Prof. Stephen Reichenbach at reich@cse.unl.edu.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See <http://www.unl.edu/equity/notice-nondiscrimination>.

University of Nebraska at Omaha

Faculty Position in Computer Science

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

Candidates must have completed an earned doctorate in computer science or related disciplines by the expected start date. The candidate should have a strong potential to conduct high quality research, generate external research and development grants, and be committed to teaching computer science courses at both graduate and undergraduate levels. The candidate will also have opportunities to engage in interdisciplinary data science collaborations across the university. Applicants at the associate professor level should have demonstrated a strong research track record including extra-mural funding and high impact research publications.

To apply, please visit <http://unomaha.peopleadmin.com/>. A full application, including cover letter, vita, teaching and research statements, and contact information for 3 references is required

for full consideration. Applications will be accepted until the position is filled.

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

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

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

University of Nebraska at Omaha

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

The Department of Computer Science at the University of Nebraska at Omaha (UNO) invites applications for a tenure-track faculty position, beginning August 2019 at the rank of an Assistant Professor. We are seeking candidates in the area of computer systems (computer architecture, network technologies, operating systems, VLSI, etc.) and closely

related areas including, but not limited to, emerging distributed and cloud computing infrastructures, IoT, embedded and cyber-physical systems. The new hire should have a strong potential to conduct high-quality research, procure funding, and be committed to teach computer systems courses at the undergraduate and graduate levels. Candidates must have received a doctorate in computer science or a closely related field at the time of employment. Exceptional candidates at the rank of Associate Professor will also be considered.

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

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

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender

identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment. UNO is a VEVRAA Federal Contractor and an E-Verify employer.

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

University of New Mexico

CS Faculty Position

The Department of Computer Science in the School of Engineering at the University of New Mexico invites applications for a full-time tenure-track position at the level of Assistant Professor. UNM is a Carnegie Very High Research Activity Institution and a federally designated Hispanic Serving Institution located in Albuquerque, New Mexico.

UNM CS is an interdisciplinary, family-friendly department. Our research and instruction pushes the boundaries of emerging CS areas and topics at the intersection of CS and other fields as well as in core CS. We seek applicants demonstrating excellence in any area of CS or related disciplines.

Applicants must have completed a doctorate in CS or a related area by August 15, 2019. In accordance with UNM policies, applicants will additionally be evaluated on these preferred qualifications: (1) their demonstrated ability to establish a nationally visible research program; (2) their commitment to undergraduate and graduate education; and (3) a demonstrated

commitment to diversity, equity, inclusion, student success, and working broadly with diverse communities.

Each application must include a cover letter summarizing the applicant's experience, curriculum vitae, research statement, teaching statement, and four letters of reference. Please have reference letters sent to unmcsfacultysearch@cs.unm.edu before the application deadline.

Applicants may also include in their application an optional statement, no more than one page in length, on their experience related to item (3) above. Alternatively, if appropriate, applicants may address this topic in their cover letter or in their teaching or research statements.

To apply and see the complete advertisement, visit <https://unmjobs.unm.edu> and reference requisition #Req6190. For best consideration, apply by December 15, 2018. This position will remain open until filled. Inquiries should be emailed to the Chair of the CS Department, Darko Stefanovic (darko@cs.unm.edu).

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class.

University of New Mexico

Two Tenure-track Faculty Positions in Electrical and Computer Engineering

The Department of Electrical and Computer Engineering in the School of Engineering at the University of New Mexico invites applications to fill two tenure-track faculty positions at the Assistant or Associate Professor level to begin in Fall 2019. Areas of interest include: Computer Engineering (embedded and real-time systems, hardware and cyber-physical security, Internet of Things, data science, quantum computing, machine learning, cloud computing, artificial intelligence, FPGAs, VLSI); and Electrical Engineering (microelectronics, power systems, smart grid, high power & RF electronics, photonics, optical communications, space and satellite systems, cyber-physical systems, quantum devices and systems, neuromorphic hardware).

The department has state-of-the-art facilities, and its proximity facilitates collaboration with Sandia National Laboratories, Los Alamos National Laboratory, and the Air Force Research Laboratory. The research expenditures of ECE and associated research centers are over \$30 million/year.

The minimum requirement is a doctorate by the time of appointment in electrical engineering, computer engineering, or closely related fields.

The preferred qualifications are a solid publication record, the potential for excellent teaching at the undergraduate and graduate

levels, the potential to develop an externally funded research program, the ability to engage in interdisciplinary research work with other departments (e.g. Physics, CS), and a demonstrated commitment to diversity, equity, inclusion, and student success, as well as working with broadly diverse communities.

More information can be found at <http://ece.unm.edu/about/facultyjobs.html>.

All qualified applicants are encouraged to apply, including women, minorities and those from other underrepresented groups. Candidates should apply electronically at <https://hr.unm.edu/unmjobs>, requisition number **req6407**.

Please submit an application letter indicating your area of interest (either electrical or computer engineering), statements of research and teaching, a commitment to diversity statement, CV, and the contact information of three references. Applicants who are appointed to a UNM continuing faculty position are required to provide official certification of successful completion of all degree requirements before their initial employment with UNM.

For full consideration, applications should be submitted before December 1st, 2018.

The University of New Mexico is a family friendly and an equal employment opportunity/affirmative action employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other

protected class. We are committed to hiring and retaining a diverse workforce.

The University of New Mexico is a recipient of an ADVANCE Institutional Transformation grant from the NSF to promote and advance women and minority faculty in STEM fields, and SOE is partnering with the ADVANCE at UNM program to help recruit and retain an excellent and diverse faculty.

Albuquerque is a beautiful and historic city with terrific weather, rich cultural life, and lots of outdoor activities. Cradled in the Rio Grande Valley beneath the Sandia Mountains, Albuquerque is by far the largest city in the state, acting as the media, educational, and economic center of New Mexico, as well as the home of the state's only major airport, making it a common entry point into New Mexico.

For more information go to: <https://advance.unm.edu/why-abq/>

University of New Mexico

UNM CS Faculty Position

The Department of Computer Science in the School of Engineering at the University of New Mexico invites applications for a full-time tenure-track position at the level of Assistant Professor. UNM is a Carnegie Very High Research Activity Institution and a federally designated Hispanic Serving Institution located in *Albuquerque, New Mexico*.

UNM CS is an interdisciplinary, family-friendly department. Our research and instruction pushes the boundaries of emerging CS areas and topics at the intersection of CS and other fields as well as in core CS. We seek applicants demonstrating excellence in any area of CS or related disciplines.

Applicants must have completed a doctorate in CS or a related area by August 15, 2019. In accordance with UNM policies, applicants will additionally be evaluated on these preferred qualifications: (1) their demonstrated ability to establish a nationally visible research program; (2) their commitment to undergraduate and graduate education; and (3) a demonstrated commitment to diversity, equity, inclusion, student success, and working broadly with diverse communities.

Each application must include a cover letter summarizing the applicant's experience, curriculum vitae, research statement, teaching statement, and four letters of reference. Please have reference letters sent to unmcsfacultysearch@cs.unm.edu before the application deadline.

Applicants may also include in their application an optional statement, no more than one page in length, on their experience related to item (3) above. Alternatively, if appropriate, applicants may address this topic in their cover letter or in their teaching or research statements.

To apply and see the complete advertisement, visit <https://unm.csod.com/ats/careersite/JobDetails>.

[aspx?id=6190](#). For best consideration, apply by December 15, 2018. This position will remain open until filled. Inquiries should be emailed to the Chair of the CS Department, Darko Stefanovic (darko@cs.unm.edu).

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class.

University of Northern Iowa

*Department of Computer Science
Assistant Professor of Computer Science
Cedar Falls, Iowa*

The department invites applications for two tenure-track assistant professor positions to begin August 2019. Applicants must hold a Ph.D. in Computer Science or a closely-related discipline. The first position requires expertise in a systems area, such as networking, operating systems, and system security. The second position is open to applicants with expertise in any area of computer science.

Detailed information about the position and the department are available at <http://www.cs.uni.edu>. To apply, visit <http://jobs.uni.edu>. Applications received by January 15, 2019, will be given full consideration. Pre-employment background checks required. UNI actively seeks to enhance diversity and is an Equal

Opportunity/Affirmative Action employer. The University encourages applications from persons of color, women, individuals living with disabilities, and protected veterans. All qualified applicants will receive consideration for employment without regard to age, color, creed, disability, gender identity, national origin, race, religion, sex, sexual orientation, protected veteran status, or any other basis protected by federal and/or state law. UNI is a tobacco-free campus.

University of Notre Dame

Visiting Research Assistant Professor

The Department of Computer Science and Engineering at the University of Notre Dame seeks candidates for a Visiting Research Professor in Computational Social Sciences. Initial appointment will be made for a term of two years at the rank of Visiting Research Assistant Professor or Visiting Research Associate Professor depending on experience and may be extended depending on performance.

The ideal candidate will have a PhD in computer science, sociology, statistics, or a closely related field; a strong background in analysis and modeling of social media data; a strong interest in computational social science; and an interest in teaching in these areas (one course per semester). More information about the department can be found at: <http://cse.nd.edu/>

Applicants must submit a cover letter and CV at <http://apply.interfolio.com/53838>.

University of Oregon

*Assistant, Associate, or Full Professor
in Cybersecurity*

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

This search is part of UO's partnership in the University Blockchain Research Initiative, funded by a generous gift from Ripple (see <https://around.uoregon.edu/content/ripple-partnership-puts-uo-elite-company-blockchain-research> and <http://fortune.com/2018/06/04/ripple-xrp-donate-university-blockchain-cryptocurrency/>). The successful candidate will carry the title "Ripple Professor", and will become a member of UO's Center for Cyber Security and Privacy (<https://ccsp.uoregon.edu/>), adding a core competency in blockchain, cryptocurrency, and applied cryptography research to the multi-disciplinary cybersecurity and privacy

research in the center. The recently-added High Performance Computing Research Core Facility – a supercomputing cluster with extensive computational and data storage capacity – is available to support research into this core direction, as is the XRP validator housed at UO.

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

Minimum Requirements

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

Preferred Qualifications

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

Candidates are asked to apply on line at www.academicjobsonline.org/ajo/

[jobs/11617](#) by submitting an application letter, a curriculum vitae, a research statement, a teaching statement, and at least three letters of recommendation by 15 December 2018, or until the post has been filled. If you are unable to use this online resource, please contact faculty.search@uoregon.edu to arrange alternate means of submitting application materials.

The University of Oregon is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment and strongly encourages applications from minorities, women, and people with disabilities. Applicants are requested to include in their cover letter information about how they will further this goal. In particular, candidates should describe previous activities mentoring minorities, women, or members of other underrepresented groups.

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

University of Oregon

Machine Learning – Computer Vision

The University of Oregon’s Computer and Information Science Department invites applications for a tenure-track position of Assistant Professor in Machine Learning (ML), to begin in fall 2019. We seek candidates specializing in applications of ML to Computer Vision. Competitive applicants will be capable of outstanding research and teaching at the graduate and undergraduate levels. We are especially interested in scholars who will enhance the department’s existing strengths in machine learning, deep learning, and data mining.

This search is part of a presidential initiative to establish excellence in data science at the University of Oregon (see <https://provost.uoregon.edu/data-science>), oriented toward solving significant problems in science and society. As part of this initiative, the university is building a cross-disciplinary curricular and research data science program, which is supported by the University’s recently launched High Performance Computing Research Core Facility – a supercomputing cluster with extensive computational and data storage capacity. There will also be opportunity to become involved with the university’s Knight Campus for Accelerating Scientific Impact.

We are a diverse and growing department with strengths in data science, high-performance computing, and networking and distributed systems. The department is looking to significantly grow its research portfolio in machine learning in order to

support the presidential initiative in data science. In addition, the department is one of the university partners in the NSF IUCRC Center for Big Learning (see <http://nsfcbi.cs.uoregon.edu/>). We particularly welcome applications from scholars who are from populations historically underrepresented in the academy, and/or who have experience working with students from diverse backgrounds.

Minimum Requirements

- Ph.D. in Computer Science or related field in hand by time of appointment.
- Strong research record in the application of machine learning to computer vision.

Preferred Qualifications

- Demonstrated commitment and contribution to institutional diversity, equity, and inclusion.

Candidates are asked to apply on line at www.academicjobsonline.org/ajo/jobs/11618 by submitting an application letter, a curriculum vitae, a research statement, a teaching statement, and at least three letters of recommendation by 15 December 2018, or until the post has been filled. If you are unable to use this online resource, please contact faculty.search@uoregon.edu to arrange alternate means of submitting application materials.

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

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

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

University of Oregon

Machine Learning - Reinforcement Learning

The University of Oregon’s Computer and Information Science Department invites applications for a tenured Open Rank position in Machine Learning (ML), to begin in fall 2019. We seek candidates specializing in Reinforcement Learning. Competitive applicants will possess a significant track record of research excellence and external funding as appropriate to their seniority and be capable of outstanding teaching at the graduate and undergraduate levels. We are especially interested in scholars who will enhance the department’s existing

strengths in machine learning, deep learning, and data mining.

This search is part of a presidential initiative to establish excellence in data science at the University of Oregon (see <https://provost.uoregon.edu/data-science>), oriented toward solving significant problems in science and society. As part of this initiative, the university is building a cross-disciplinary curricular and research data science program, which is supported by the University’s recently launched High Performance Computing Research Core Facility – a supercomputing cluster with extensive computational and data storage capacity. There will also be opportunity to become involved with the university’s Knight Campus for Accelerating Scientific Impact.

We are a diverse and growing department with strengths in data science, high-performance computing, and networking and distributed systems. The department is looking to significantly grow its research portfolio in machine learning in order to support the presidential initiative in data science. In addition, the department is one of the university partners in the NSF IUCRC Center for Big Learning (see <http://nsfcbi.cs.uoregon.edu/>). We particularly welcome applications from scholars who are from populations historically underrepresented in the academy, and/or who have experience working with students from diverse backgrounds.

Minimum Requirements

- Ph.D. in Computer Science.
- Significant, seniority appropriate,

research and funding record in reinforcement learning.

Preferred Qualifications

- Demonstrated commitment and contribution to institutional diversity, equity, and inclusion.

Candidates are asked to apply on line at www.academicjobsonline.org/ajol/jobs/11619 by submitting an application letter, a curriculum vitae, a research statement, a teaching statement, and at least three letters of recommendation by 15 January 2019, or until the post has been filled. If you are unable to use this online resource, please contact faculty.search@uoregon.edu to arrange alternate means of submitting application materials.

The University of Oregon is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment and strongly encourages applications from minorities, women, and people with disabilities. Applicants are requested to include in their cover letter information about how they will further this goal. In particular, candidates should describe previous activities mentoring minorities, women, or members of other underrepresented groups.

The University of Oregon is one of only two Pacific Northwest members of the Association of American Universities and holds the distinction of a “very high research activity” ranking in the Carnegie Classification of Institutions of Higher Education. The UO enrolls more than 20,000 undergraduate and 3,600 graduate students representing all 50 states and nearly 100 countries. The UO’s 295-acre

campus features state-of-the art facilities in an arboretum-like setting. The UO is located in Eugene, a vibrant city of 157,000 within easy driving distance of the Pacific Coast, the Cascade Mountains, and Portland.

University of Pennsylvania

Multiple Faculty Positions - Electrical and Systems Engineering

The School of Engineering and Applied Science at the University of Pennsylvania is growing its faculty by 33% over the next five years. As part of this initiative, the Department of Electrical and Systems Engineering is engaged in an aggressive, multi-year hiring effort for multiple tenure-track positions at all levels. Candidates must hold a Ph.D. in Electrical Engineering, Computer Engineering, Systems Engineering, or related area. The department seeks individuals with exceptional promise for, or proven record of, research achievement, who will take a position of international leadership in defining their field of study, and excel in undergraduate and graduate education. Leadership in cross-disciplinary and multi-disciplinary collaborations is of particular interest. We are interested in candidates in all areas that enhance our research strengths in

1. Nanodevices and nanosystems (nanoelectronics, MEMS/NEMS, power electronics, nanophotonics, nanomagnetism, quantum devices, integrated devices and systems at nanoscale),
2. Circuits and computer engineering (analog, RF, mm-wave, digital circuits, emerging circuit design, computer

engineering, IoT, embedded and cyber-physical systems), and

3. Information and decision systems (control, optimization, robotics, data science, network science, communications, information theory, signal processing).

Prospective candidates in all areas are strongly encouraged to address large-scale societal problems in energy, transportation, health, food and water, economic and financial networks, social networks, critical infrastructure, and national security. We are especially interested in candidates whose interests are aligned with the school’s strategic plan, <https://www.seas.upenn.edu/about/penn-engineering-2020/>

Diversity candidates are strongly encouraged to apply. Interested persons should submit an online application at <https://www.ese.upenn.edu/faculty-staff/> and include curriculum vitae, statement of research and teaching interests, and at least three references. Review of applications will begin on December 1, 2018.

The University of Pennsylvania is an Equal Opportunity Employer. Minorities/Women/Individuals with Disabilities/Veterans are encouraged to apply.

University of Pittsburgh

Tenure/Boyce Chair Position

The School of Computing and Information (SCI), the newest school at the University of Pittsburgh, aims to create and harness data-driven technology, science, and expertise to improve the security, performance, and understanding of

complicated, interacting natural, social, and engineered systems. Predictive modeling and insightful analysis for evidence-based decision-making, in the context of these interacting systems, is key to our mission. As we build and expand the school, it is crucial that we continue and strengthen our leadership in addressing underrepresentation by fostering a diverse, inclusive, and equitable environment for students, faculty, and staff.

About the Position

We are seeking a visionary leader and scholar for the endowed Doreen E. Boyce Chair in Library and Information Science. This Individual should demonstrate inspired leadership within the information profession and have a commitment to dynamic, cross-disciplinary and collaborative research. The individual filling this endowed chair will be internationally recognized for research, education, and service at the confluence of information, technology, and human behavior, especially from a social perspective. Topics of particular interest include, but are not limited to, computing and information ethics, policy, and governance; theory and methods of knowledge reuse through data management, stewardship, and reproducibility; modeling and decision making in interacting systems; as well as socio-technical systems and the nature of human interaction with information and data. Successful candidates must hold a PhD for this position as well as established

impact and experience appropriate for appointment at the rank of professor.

About the School of Computing and Information

As a new school, we are working to develop and expand upon many exciting initiatives. In collaboration with multiple units at Pitt and other leading organizations in the region, we have launched the Modeling and Managing Complicated Systems (momacs) Institute. Our faculty are involved in developing numerous interdisciplinary research programs, launching a first year-admitting undergraduate program, creating joint academic programs at both the undergraduate and graduate levels, and creating a new Professional Institute to close critical skills gaps by providing specialized education to working professionals.

Pittsburgh is a vibrant hub of education, technology, and medicine, with many startups and established companies throughout the region. The region offers an exceptionally high quality of life, with low cost housing, excellent secondary schools, abundant outdoor activities, and rich cultural attractions well beyond other cities of its size. SCI has numerous connections to centers, institutions, and companies in the region, including the School of Medicine, Carnegie Mellon University, the City of Pittsburgh, the Center for Causal Discovery, the Center for Energy, the Pittsburgh Supercomputing Center, the Center for the Neural Basis of Cognition, Google, Uber, Oculus,

Argo AI, and many others. Through these connections, there are ample opportunities to collaborate broadly and build multi-disciplinary research teams of the highest caliber.

Nominations and inquiries may be sent in confidence to Dr. Bruce Childers, Associate Dean for Strategic Initiatives, at childers@pitt.edu. Learn more at www.sci.pitt.edu/recruiting.

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

University of Pittsburgh

Non-Tenure Track Faculty Positions

The School of Computing and Information (SCI), the newest school at the University of Pittsburgh, aims to create and harness data-driven technology, science, and expertise to improve the security, performance, and understanding of complicated, interacting natural, social, and engineered systems. Predictive modeling and insightful analysis for evidence-based decision-making, in the context of these interacting systems, is key to our mission. As we build and expand the school, it is crucial that we continue and strengthen our leadership in addressing underrepresentation by fostering a diverse, inclusive, and equitable environment for students, faculty, and staff.

About the Position

Non-tenure track positions for Lecturer, Professor of Practice, Assistant Professor, and Associate Professor are available that are long-term, career-oriented and renewable. These positions offer exciting and long-term paths to teach and develop novel undergraduate programs, including the rethinking of curriculum to reflect emerging concepts, new skills and the deep entwinement of computing and information into other disciplines. Non-tenure positions also offer opportunities to teach classes at the graduate-level in computer science, information science, library science, and telecommunications. Such programs are essential to train polymaths who understand the abstractions that unite disciplines, and can apply these concepts. We strongly encourage scholars who have experience working with diverse students and an investment in embedding inclusion in their teaching to apply. As we transition to a four-year undergraduate program, individuals filling these openings will have a unique opportunity to develop inclusive curriculum that teaches both current computer science, information science, and library and information science concepts as well as polymathic ones. For positions at the rank of Assistant and Associate Professor, a PhD is required. For positions at Lecturer, Senior Lecturer, and Professor of Practice, an M.S. is required, with a PhD strongly preferred.

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Learn more at www.sci.pitt.edu/recruiting.

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University of Pittsburgh

Tenure-Track Faculty Positions

The School of Computing and Information (SCI), the newest school at the University of Pittsburgh, aims to create and harness data-driven technology, science, and expertise to improve the security, performance, and understanding of complicated, interacting natural, social, and engineered systems. Predictive modeling and insightful analysis for evidence-based decision-making, in the context of these interacting systems, is key to our mission. As we build and expand the school, it is crucial that we continue and strengthen our leadership in addressing underrepresentation by fostering a diverse, inclusive, and equitable environment for students, faculty, and staff.

About the Position

SCI has multiple positions available in the tenure-track at the Assistant Professor, Associate Professor, and Full Professor ranks. The specific area is open for all

positions. We especially seek individuals who think and work across traditional boundaries and who see themselves as dynamic, cross-disciplinary team players. We are motivated to bring together scholars to collaboratively address complex challenges and who will contribute to the school's mission of modeling and managing complicated, interacting systems. Individuals working on transdisciplinary aspects of computing and information are encouraged to apply. Topics of particular interest include, but are not limited to, domain-oriented modeling and analysis; computationally- and data-driven causal methods; quantum information science; computing and information ethics, policy, economics, and governance; secure, equitable, and responsive frameworks for modeling and decision making; theory and methods of knowledge reuse; as well as socio-technical systems and the nature of human interaction with information and data.

Advancement of SCI's mission also requires deep expertise in traditional areas of computer, information, and library science, and we encourage applications from individuals working across the entire spectrum of research in these disciplines, including but not limited to artificial intelligence; Internet of Things; social informatics; data management; data visualization; scientific reproducibility; machine learning; cloud and high-performance computing; cyber-physical systems; security and privacy; and others. A PhD is required for all tenure-stream

positions. Interested individuals can find full application instructions at <http://www.sci.pitt.edu/recruiting>.

About the School of Computing and Information

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University of Rhode Island

Assistant Professor of Computer Science

The Assistant Professor position is full time, 9-month academic year, tenure-track, permanent, with appointment to begin academic year 2019-20. The University of Rhode Island invites applications for Assistant Professor in the Department of Computer Science and Statistics. We are seeking candidates who can contribute to teaching and research in computer science. This position balances computer science teaching with collaborative research opportunities. We are particularly interested in candidates with expertise in areas related to cybersecurity, data science, data visualization, high-performance computing, machine learning, computer systems, compilers, programming languages, or other closely related fields.

Applicants should demonstrate a strong commitment and capacity to initiate new

funded research as well as to expand, complement, and collaborate with existing research programs in the Department of Computer Science and Statistics and beyond. It is expected that all candidates will also be committed to excellence in undergraduate and graduate teaching, including developing new courses related to their research expertise, and to supervising and mentoring students. Conduct research, obtain external research funding, and participate in interdisciplinary research; teach undergraduate and graduate courses; advise graduate students.

Visit the URI jobs website at <https://jobs.uri.edu> to apply and view complete details for posting (F00108). Please attach the following 5 (PDF) documents to your Faculty Employment Application: (#1) Cover letter, (#2) CV, which should include a list of courses taught or assisted, consulting experience, and mentoring experience (as one complete document), (#3) Teaching statement, (#4) Research statement, and (#5) "Other" – the names and contact information for three professional references.

APPLICATION DEADLINE: The search will remain open until filled. First consideration will be given to applications received by November 15, 2018. Second consideration applications must be submitted by December 15, 2018. Applications received subsequent to the second consideration date (December 15, 2018) may not be given full consideration.

APPLICATIONS MUST BE SUBMITTED ONLINE ONLY.

The University of Rhode Island is an AA/EEOD employer. Women, persons of color, protected veterans, individuals with disabilities, and members of other protected groups are encouraged to apply.

University of Rhode Island

Assistant Professor of Data Science

The Assistant Professor position is full time 9-month academic year, tenure-track, permanent, with appointment to begin academic year 2019-20.

The University of Rhode Island invites applications for Assistant Professor of Data Science in the Department of Computer Science and Statistics. This position has reduced teaching responsibilities to conduct collaborative and interdisciplinary Data Science research through the URI Big Data and Data Science initiatives that are coordinated by the University Library. This is the tenth position in a university-wide Big Data cluster hire that began in Fall 2016. This research-intensive position is co-funded by the URI Libraries. The successful candidate is expected to contribute to the new artificial intelligence lab at the University Library.

Visit the URI jobs website at <https://jobs.uri.edu> to apply and view complete details for posting (F00107). Please attach the following 5 (PDF) documents to your Faculty Employment Application: (#1) Cover letter, (#2) CV, which should include a list of courses taught or assisted, consulting experience, and mentoring experience (as one complete document), (#3) Teaching

statement, (#4) Research statement, and (#5) "Other" – the names and contact information for three professional references.

APPLICATION DEADLINE: The search will remain open until filled. First consideration will be given to applications received by November 15, 2018. Second consideration applications must be submitted by December 15, 2018. Applications received subsequent to the second consideration date (December 15, 2018) may not be given full consideration.

APPLICATIONS MUST BE SUBMITTED ONLINE ONLY.

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University of South Carolina Beaufort

Assistant Professor, Tenure Track Faculty Computer Science-Two positions

The Department of Computer Science at the University of South Carolina Beaufort (www.uscb.edu/cs) invites applications for two tenure-track faculty at the rank of Assistant Professor to begin in January or August 2019. Candidates are expected to have an earned doctorate in Computer Science, Computational Science, or a closely related field though ABDs may be considered with evidence that the doctoral degree will be completed by the beginning date of employment. Successful

candidates are expected to teach both undergraduate and graduate courses in Computer Science and Computational Science. Candidates with the potential to participate broadly in multi-disciplinary research in the areas of materials science or engineering are especially encouraged to apply.

Application procedures: Applicants must apply online at <http://uscjobs.sc.edu/postings/> and submit a cover letter, curriculum vitae, statements of research interest and teaching philosophy, a writing sample, copies of graduate transcript and contact information for three references in the USCJobs system.

The University of South Carolina Beaufort is an affirmative action/equal opportunity institution. Women and minorities are encouraged to apply.

University of Southern California Viterbi School of Engineering - Department of Computer Science

*Multiple Tenure-Track Faculty Positions
Los Angeles, CA*

The Department of Computer Science (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) is in a period of significant and sustained faculty growth. We have multiple openings for tenure-track positions in all areas and at all levels of seniority. The USC Viterbi School is committed to increasing the diversity

of its faculty and welcomes applications from women, underrepresented groups, veterans, and individuals with disabilities. We are interested in exceptional candidates at all levels.

We expect all candidates to have a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

Applicants should submit their applications online at [USC Careers](#).

Applications must include a cover letter indicating the applicant's area of specialization, a detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applicants are encouraged to include a succinct statement on fostering an environment of diversity and inclusion. Applications should be submitted by December 2, 2018. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 189 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated

with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$200 million annually. With 44 tenure-track, 31 research faculty, and 19 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

USC is an equal opportunity, affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.

University of South Florida

*Assistant Professor in
Cryptography/Cybersecurity*

The Department of Mathematics & Statistics of the University of South Florida seeks to fill a 9 month, full-time and tenure-earning, Assistant Professor position in Cryptography/Cybersecurity to begin August 7, 2019. Ph.D. in Mathematics or a closely-related field is required, with preference in disciplines related to Cryptography/Cybersecurity (e.g., Algebra, Number Theory, Algebraic Geometry, Combinatorics, etc.).

For further details regarding this position and to submit an application, please visit <http://employment.usf.edu>, click on Job ID 18548, and attach a Cover Letter, Curriculum Vitae, Teaching Philosophy Statement, proven Teaching Effectiveness/Instructional History, and Research Statement as a single file.

The University of South Florida

Faculty Positions in Computer Science and Engineering

Applications are invited for multiple tenure-track positions at all ranks in the Department of Computer Science and Engineering starting Fall 2019. Preference will be given to candidates in strategic research areas that have high funding potential from federal funding agencies including NSF, NIH, DARPA, etc. Research expertise in artificial intelligence and cognitive computing (e.g. learning theory, deep learning, natural language processing, human-machine interaction, computer vision), efficient computing platforms (edge computing, neuromorphic computing, quantum computing, next generation design automation), big-data algorithms (databases, systems, HPC) or the intersection of these areas with cybersecurity is desired. Outstanding candidates in other areas may be considered. Truly exceptional senior candidates are particularly welcomed to apply. Candidates should have an established record of outstanding-quality research publications and with potential for excellence in teaching. Candidates

must have completed, or be near completion of a Ph.D. in computer science, computer engineering, or a related discipline from an accredited institution.

The Department of Computer Science and Engineering (<http://www.usf.edu/engineering/cse/>) has twenty-eight (28) tenure-track/tenured faculty members, eleven (11) instructors, seven (7) staff members/advisors, and offers B.S., M.S., and Ph.D. degrees, serving nearly 2000 undergraduates, 120 masters, and 100 PhD students. The department has a strong working relationship with the Florida Center for Cybersecurity. Department ranks include twelve NSF CAREER awardees, one National Academy of Inventors (NAI) Fellow, four IEEE Fellows, four IAPR Fellows, three AAAS Fellows, and three AIMBE Fellows. The Computer Engineering graduate program was ranked 50th among US public universities by US News and World Report (2019). USF CSE is in the top sixth (rank 31) of Computer Science departments at U.S. public universities, according to most recent Academic Analytics data based on Scholarly Research Index. USF CSE faculty members have 31 issued patents, own seven copyrights, and have executed eight license/option agreements between FY12-FY16.

The College of Engineering at the University of South Florida is ranked at #55 among public institutions by U.S. News & World Report's 2019 engineering graduate school rankings. The college serves nearly 7,000 students, offering ten bachelor's programs, seven ABET-accredited, as well as 12 master's and

eight doctoral degrees. The College is actively engaged in local and global research activities with \$36.4 million in research awards for the fiscal year 2017-2018. The College has 11 major research centers and institutes and is actively engaged in local and global research activities focused on sustainability, biomedical engineering, computing technology and transportation.

The University of South Florida System is a high-impact, global research system dedicated to student success. In 2018, the Florida Board of Governors designated USF Tampa as a Preeminent State Research University, placing USF in the most elite category among the state's 12 public universities. With more than \$500 million in annual research expenditures, USF ranks 29th in the nation among public universities as reported by the National Science Foundation (2016). USF Tampa was ranked #19 among the "Best Universities for Technology Transfer, 2017" by the Milken Institute. USF ranks 1st in Florida, 5th in the nation among public universities and 12th world-wide for granted U.S. patents among all universities according to the Intellectual Property Owners Association/NAI (2017) and has ranked in the Top 10 among public universities for U.S. patents granted for the past eight years (2010-2017).

USF offers a first-class benefit package that includes medical, dental and life insurance plans, retirement plan options, tuition program and generous leave programs and more. Tampa Bay is home to 19 corporate headquarters with over \$1 billion in annual revenue, eight of which

are Fortune 1000 companies. Tampa is also home to USSOCOM. Tampa is the nation's second-fastest-growing tech hub.

An application package should include a cover letter, curriculum vitae, statements describing research and teaching experience and goals, and the names and contact information of at least three references. Applicants must electronically submit the application packet as one pdf file to the following website: <https://www.usf.edu/work-at-usf/careers/index.aspx> (**Applicants search Job Opening ID# 18627**). Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272.

University of Southern Maine

Assistant Professor of Computer Science

The University of Southern Maine's Computer Science department ([usm.maine.edu/cos](http://www.usm.maine.edu/cos)) invites applicants for a tenure track position at the Assistant Professor level. We prefer candidates with expertise in systems and security but will consider

candidates with other specialties.

For complete information and how to apply: <https://usm.hiretouch.com/view-all-jobs>

USM is an EEO/AA employer.

University of Tennessee, Knoxville

Four (4) Tenure Track Faculty Positions In Computer Science, Computer Engineering, Or Electrical Engineering

The Department of Electrical Engineering and Computer Science (EECS) at The University of Tennessee, Knoxville is seeking candidates for four (4) tenure track faculty members at the assistant or associate professor level. Applicants should have an earned Ph.D. in Computer Science, Computer Engineering, Electrical Engineering, or a related field. The department is expanding its teaching and research in the areas of (1) data analytics, machine learning, and artificial intelligence, (2) internet of things and mobile computing systems, including cybersecurity, cloud and fog computing, embedded systems, signal processing, and energy efficiency, and (3) VLSI circuits and systems, including digital design, analog/mixed signal circuits, and beyond CMOS technologies.

For detailed information and requirements of each position, apply at <http://www.eecs.utk.edu/people/employment/>

EECS is housed in a new \$37.5 million teaching and research facility completed in 2012. The department currently

has an enrollment of more than 800 undergraduate and 250 graduate students, with a faculty of 45, and research expenditures that exceed \$17 million per year. EECS offers two undergraduate minors in cybersecurity and datacenter technology and management that were started in 2015. Successful candidates will be expected to contribute to the expansion of related educational and research activities. UTK is a leading research institution with strong research partnerships with organizations such as the nearby Oak Ridge National Laboratory (ORNL) where several UT faculty have joint positions or research ties.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

The University of Texas at Arlington

Assistant/Associate Professor

The Computer Science and Engineering Department at The University of Texas at Arlington invites applications for one tenure/tenure-track assistant/associate professor position with a tentative start date in Fall 2019 in the broad area of Cyber Physical Systems (CPS).

Our key objective is to hire a faculty member with outstanding qualifications, who shares the University's core values of high standards of excellence in teaching, innovative and collaborative research, and service, combined with fostering an open and inclusive environment and promoting diversity and participation of groups that are currently underrepresented in engineering fields. A major emphasis will be on potential collaboration for research with faculty members within and outside the department.

To apply, please go to: <http://uta.peopleadmin.com/postings/7371>

A complete application via the above URL should include a cover letter, curriculum vitae, research plans, teaching philosophy, and contact information of at least five references. Senior candidates should also include unofficial course evaluations.

Review of applications will start November 15 and will continue until the position is filled.

Questions about the openings should be addressed to hong.jiang@uta.edu.

EEO/AA Policy

UTA is an Equal Opportunity/Affirmative Action institution. Minorities, women, veterans and persons with disabilities are encouraged to apply. Additionally, the University prohibits discrimination in employment on the basis of sexual orientation. A criminal background check will be conducted on finalists. UTA is a tobacco free campus.

University of Texas at Austin

Assistant Professor (Tenure-Track)

The School of Information at the University of Texas at Austin invites applications for an Assistant Professor in the early stages of their career who demonstrates exceptional potential as a scholar and researcher. Specific areas of research and teaching focus are open, but should complement the existing strengths of the iSchool.

Applications should be submitted by November 1, 2018 for fullest consideration.

Please visit <https://www.ischool.utexas.edu/facultysearch> for more information.

University of Texas at Austin

Endowed Professor

The School of Information at the University of Texas at Austin invites applications for a full-time, tenured faculty position at the Full Professor rank to start in Fall 2019 or earlier, depending on applicant availability. The Bill and Lewis Suit Professorship of Information Technology is designed to support a world-leading scholar and academic. This endowed professorship offers a competitive salary and an annual research allowance of approximately \$15k. We are particularly seeking a senior scholar with a distinguished track record in information/informatics research in the areas of health, medicine, and/or medical organizations, although exceptional scholars in other areas will also be considered.

Applications should be submitted by November 1, 2018 for fullest consideration.

Please visit <https://www.ischool.utexas.edu/facultysearch> for more information.

The University of Texas at San Antonio

Executive Director (Candidate may be extended a faculty appointment based on experience)

Successful candidates will have an earned Doctorate degree (Ph.D.), publications, and demonstrated research competencies and capabilities commensurate with appointment levels in applicable departments. Candidates should have 10 years of extensive leadership and/or senior managerial experience and expertise in areas such as Cloud/Edge/Fog Computing, Big Data Analytics, Cloud Security, HPC, both Public and Private Cloud Architecture, Federated Cloud, and other emerging technologies such as serverless computing and cloud functions and containers and container management, such as Kubernetes, Software-Defined Networking, and Network Functions Virtualization. The prospective candidate must be eligible for national security clearances.

Details/To apply: <http://opencloud.utsa.edu/job-opportunities/>

For general questions or additional information, please contact: Bernard Arulanandam, Interim Vice President for Research, Economic Development

& Knowledge Enterprise at *Bernard*.
Arulanandam@utsa.edu or 210-458-8176.

The University of Texas

*Assistant, Associate, Full Professor
(Tenure-Track)*

The Department of Computer Science of the University of Texas at Austin invites applications for faculty positions at all levels (Assistant, Associate, Full Professor). Outstanding candidates in all areas of Computer Science will be considered, particularly in: computer vision, machine learning, quantum computing, cybersecurity, formal methods, systems and networking.

All tenured and tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment. Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students in research. The department is committed to building a diverse faculty and we are interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

The department is ranked among the top ten computer science departments in the country. It has 44 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including



Department Chair, Department of Computer Science

The Department of Computer Science at the University of Texas at San Antonio (UTSA) is seeking a dynamic Department Chair that can lead a department of preeminence in an extraordinary diverse University that is focused on a significant expansion of its research mission. The Department seeks exceptional candidates with (1) a record of high quality scholarship and competitive research with federal, state, and industry funding, (2) experience and leadership in institutions of higher education, industry, or professional organizations, (3) an understanding of pedagogies that will lead to student success and excellence in undergraduate and graduate teaching, (4) experience leading interdisciplinary teams, and (5) mentorship experience and a commitment to inclusion and diversity. Successful candidates must demonstrate a clear vision for expanding the research productivity of the Department, and the ability to build strong relationships across departments and colleges within the institution, along with establishing projects with industry and government entities. In addition, they must be able to articulate a clear vision for the future of the Department of Computer Science that fulfills the University's goals toward research extensive status. The successful candidate must have a doctorate in computer science or closely related field, with outstanding research and teaching records that warrant an appointment at the rank of full professor with tenure. Tenure is contingent upon Board of Regents approval. It is recommended that the successful candidate has an active security clearance or is eligible for a security clearance, up to and including Top Secret.

The University of Texas at San Antonio is designated a National Center of Academic Excellence in Cyber Operations and has just been approved for \$70 million in funding to construct two new facilities - A National Security Collaboration Center and a proposed School of Data Science. The Computer Science Department has 23 full-time faculty, 8 full-time lecturers, 1,300 undergraduate students, 70 M.S., and 60 Ph.D. students. It offers B.S., M.S., and Ph.D. degrees in Computer Science and optional concentrations in Software Engineering, Computer and Information Security, Cloud and Systems, and Data Science. Annual research expenditures are 7.2 million dollars, with a broad range of research interests that include visualization, cyber security, cloud computing, bioinformatics and computational biology, big data, machine learning, artificial intelligence and high performance computing. The College and Department has excellent research facilities including the Center for Infrastructure Assurance and Security; Institute for Cyber Security; the NSF Center and Privacy Enhanced Cloud Computing and numerous laboratories led by different faculty. Additional information about the department can be found at <https://cs.utsa.edu/>.

UTSA is one of the 14 University of Texas System's Campuses situated in the City of San Antonio. Over the last ten years the College of Sciences at UTSA has experienced sustained growth in terms of student population, number of faculty, and research awards. The College includes seven departments: Biology, Chemistry, Computer Science, Environmental Science and Ecology, Geological Sciences, Mathematics, and Physics and Astronomy. The University enjoys strong ties with other research institutions, government entities, and companies located in San Antonio, regionally, and nationally.

The City of San Antonio is the seventh largest city in the United States and is located in South Central Texas, within the Texas Triangle. San Antonio is in close proximity to other large population centers in Texas including Austin, Houston, and Dallas. This area is a hub for a wide range of computing, cyber security, and engineering industries, and is currently experiencing large economic and population growth.

Required documents and submission process: Applications must be submitted through the web portal (STARS) indicated below. Applications must include a letter of application, a dated curriculum vitae, a statement of leadership and administrative experience and philosophy, a statement of research interests, a statement of teaching interests, and the names, addresses (postal and e-mail), and telephone numbers of 3-6 references. It is recommended that the successful candidate has an active security clearance or is eligible for a security clearance, up to and including Top Secret. Applicants who are selected for on campus interviews must be able to show proof that they will be eligible and qualified to work in the US by the time of hire. For this position, applications must be submitted through a web portal at <http://apptrkr.com/1295211>.

We will begin review of the applications on November 15, 2018. The search will continue until the position is filled or the search is closed.

The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

the Texas Advanced Computing Center (TACC), and those in Computational and Applied Mathematics, Computational Biology, and Neuroscience.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as Amazon, Google, Dell, IBM Corp., Advanced Micro Devices, Apple Computer, Inc., Applied Materials, AT&T, National Instruments, Samsung, and 3M Corporation. For more information about the department, please visit <http://www.cs.utexas.edu>.

All faculty positions require a cover letter, current curriculum vita, research statement, teaching philosophy, and selected publications. Tenured faculty positions require six (6) reference letters. Tenure-track faculty positions require three (3) reference letters.

To apply for a tenured position on-line at <http://apply.interfolio.com/53747>.

To apply for a tenure-track position on-line at <http://apply.interfolio.com/53737>.

For full consideration of your application, please apply by December 15, 2018. Applications received prior to December 15 (including reference letters) will be reviewed immediately upon application submission. Early submission before November 15, 2018 is strongly encouraged. We anticipate inviting successful candidates whose applications are completed early to begin the interview process as soon as their applications have been evaluated. Applications received after December 15, 2018 will

be considered in total on a space available basis only. Inquiries about your application may be directed to faculty-search@cs.utexas.edu. The University of Texas is an Equal Opportunity Employer.

University of Toronto

Assistant Professor, Teaching Stream

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for a full-time teaching-stream faculty appointment at the rank of Assistant Professor, Teaching Stream, in the general area of Computer Systems and Software. The appointment will commence on July 1, 2019.

Applicants are expected to have a Ph.D. in Electrical and Computer Engineering, or a related field, at the time of appointment or soon after.

Successful candidates will have demonstrated excellence in teaching and pedagogical inquiry, including in the development and delivery of undergraduate courses and laboratories and supervision of undergraduate design projects. This will be demonstrated by strong communication skills, a compelling statement of teaching submitted as part of the application highlighting areas of interest, awards and accomplishments and teaching philosophy; sample course syllabi and materials; and teaching evaluations, as well as strong letters of reference from referees of high standing endorsing excellent teaching

and commitment to excellent pedagogical practices and teaching innovation.

Eligibility and willingness to register as a Professional Engineer in Ontario is highly desirable.

Salary will be commensurate with qualifications and experience.

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto ranks among the best in North America. It attracts outstanding students, has excellent facilities, and is ideally located in the middle of a vibrant, artistic, diverse and cosmopolitan city. Additional information may be found at <http://www.ece.utoronto.ca>.

Review of applications will begin after September 1, 2018, however, the position will remain open until November 29, 2018.

As part of your online application, please include a cover letter, a curriculum vitae, and a teaching dossier including a summary of your previous teaching experience, your teaching philosophy and accomplishments, your future teaching plans and interests, sample course syllabi and materials, and teaching evaluations. Applicants must arrange for three letters of reference to be sent directly by the referees (on letterhead, signed and scanned), by email to the ECE department at search2018@ece.utoronto.ca. Applications without any reference letters will not be considered; it is your responsibility to make sure your

referees send us the letters while the position remains open.

You must submit your application online while the position is open, by following the submission guidelines given at <http://uoft.me/how-to-apply>. Applications submitted in any other way will not be considered. We recommend combining attached documents into one or two files in PDF/MS Word format. If you have any questions about this position, please contact the ECE department at search2018@ece.utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>

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

University of Toronto

Associate Professor, Tenure-stream

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for up to four full-time tenure-stream faculty appointments at the rank of Associate Professor. The appointments will commence on July 1, 2019.

Within the general field of electrical and computer engineering, we seek applications from candidates with expertise in one or more of the following strategic research areas: 1. Computer Systems and Software; 2. Electrical Power Systems; 3. Systems Control, including but not limited to autonomous and robotic systems.

Applicants are expected to have a Ph.D. in Electrical and Computer Engineering, or a related field, and have at least five years of academic or relevant industrial experience.

Successful candidates will be expected to maintain and lead an outstanding, independent, competitive, innovative, and externally funded research program of international calibre, and to teach at both the undergraduate and graduate levels. Candidates should have demonstrated excellence in research and teaching. Excellence in research is evidenced primarily by sustained and impactful publications in leading journals or conferences in the field, awards and accolades, presentations at significant conferences and a high profile in the field with strong endorsements by

referees of high international standing. Evidence of excellence in teaching will be demonstrated by strong communication skills, a compelling statement of teaching submitted as part of the application highlighting areas of interest, awards and accomplishments, and teaching philosophy; sample course syllabi and materials; and teaching evaluations, as well as strong letters of recommendation.

Eligibility and willingness to register as a Professional Engineer in Ontario is highly desirable.

Salary will be commensurate with qualifications and experience.

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto ranks among the best in North America. It attracts outstanding students, has excellent facilities, and is ideally located in the middle of a vibrant, artistic, diverse and cosmopolitan city. Additional information may be found at <http://www.ece.utoronto.ca>.

Review of applications will begin after September 1, 2018, however, the position will remain open until November 29, 2018.

As part of your online application, please include a cover letter, a curriculum vitae, a summary of your previous research and future research plans, as well as a teaching dossier including a statement of teaching experience and interests, your teaching philosophy and accomplishments, and teaching evaluations. Applicants must arrange

for three letters of reference to be sent directly by the referees (on letterhead, signed and scanned), by email to the ECE department at search2018@ece.utoronto.ca. Applications without any reference letters will not be considered; it is your responsibility to make sure your referees send us the letters while the position remains open.

You must submit your application online while the position is open, by following the submission guidelines given at <http://uoft.me/how-to-apply>. Applications submitted in any other way will not be considered. We recommend combining attached documents into one or two files in PDF/MS Word format. If you have any questions about this position, please contact the ECE department at search2018@ece.utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons/ persons of colour, women, Indigenous/ Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>

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

University of Toronto

Assistant Professor, Tenure-stream

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for up to four full-time tenure-stream faculty appointments at the rank of Assistant Professor. The appointments will commence on July 1, 2019.

Within the general field of electrical and computer engineering, we seek applications from candidates with expertise in one or more of the following strategic research areas: 1. Computer Systems and Software; 2. Electrical Power Systems; 3. Systems Control, including but not limited to autonomous and robotic systems.

Applicants are expected to have a Ph.D. in Electrical and Computer Engineering, or a related field, at the time of appointment or soon after.

Successful candidates will be expected to initiate and lead an outstanding, innovative, independent, competitive, and externally funded research program of international calibre, and to teach at both the undergraduate and graduate levels. Candidates should have demonstrated excellence in research and teaching. Excellence in research is evidenced primarily by publications or forthcoming publications in leading journals or conferences in the field, presentations

at significant conferences, awards and accolades, and strong endorsements by referees of high international standing. Evidence of excellence in teaching will be demonstrated by strong communication skills; a compelling statement of teaching submitted as part of the application highlighting areas of interest, awards and accomplishments, and teaching philosophy; sample course syllabi and materials; and teaching evaluations, as well as strong letters of recommendation.

Eligibility and willingness to register as a Professional Engineer in Ontario is highly desirable.

Salary will be commensurate with qualifications and experience.

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto ranks among the best in North America. It attracts outstanding students, has excellent facilities, and is ideally located in the middle of a vibrant, artistic, diverse and cosmopolitan city. Additional information may be found at <http://www.ece.utoronto.ca>.

Review of applications will begin after September 1, 2018, however, the position will remain open until November 29, 2018.

As part of your online application, please include a cover letter, a curriculum vitae, a summary of your previous research and future research plans, as well as a teaching dossier including a statement of teaching experience and interests, your teaching philosophy and accomplishments, and teaching

evaluations. Applicants must arrange for three letters of reference to be sent directly by the referees (on letterhead, signed and scanned), by email to the ECE department at search2018@ece.utoronto.ca. Applications without any reference letters will not be considered; it is your responsibility to make sure your referees send us the letters while the position remains open.

You must submit your application online while the position is open, by following the submission guidelines given at <http://uoft.me/how-to-apply>. Applications submitted in any other way will not be considered. We recommend combining attached documents into one or two files in PDF/MS Word format. If you have any questions about this position, please contact the ECE department at search2018@ece.utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>

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

University of Toronto, Mississauga

Assistant Professor, Tenure-stream

The Department of Mathematical and Computational Sciences at the University of Toronto Mississauga (UTM) invites applications for a tenure-stream appointment in the area of Robotics. The appointment will be at the rank of Assistant Professor, and will commence on July 1, 2019, or shortly thereafter.

Candidates must have a Ph.D. in computer science or robotics or a related field by the time of appointment, or shortly thereafter, with a demonstrated record of excellence in research and teaching. We are interested in candidates in all areas of computer science that touch upon robotics in the broadest possible sense. We are especially interested in exceptional candidates who transcend traditional computing research topics and complement our existing strengths (see our websites at <https://www.utm.utoronto.ca/math-cs-stats/> and www.cs.toronto.edu).

The successful candidate will be expected to pursue innovative and independent research at the highest international level and establish an outstanding, competitive and externally funded research program; to have a strong commitment to undergraduate and graduate teaching; and to contribute to the enrichment of both

undergraduate and graduate programs in the department and in particular to establish a research presence in robotics with graduate students at the UTM campus.

Candidates must provide evidence of research excellence as demonstrated by a record of publications in top-ranked and field relevant journals or forthcoming publications meeting high international standards, the submitted research statement, presentations at significant conferences, awards and accolades, and strong endorsements from referees of high standing.

Evidence of excellence in teaching will be provided through teaching accomplishments, the teaching dossier, a teaching statement, sample course syllabi, and the teaching evaluations submitted as part of the application, as well as strong letters of reference.

Salary will be commensurate with qualifications and experience, and will be competitive with our North American peers.

The University of Toronto is an international leader in Computer Science research and education. UTM is part of the tri-campus University of Toronto system, and the successful candidate will hold his (her) appointment in the Department of Mathematical and Computational Sciences at UTM and will also be a member of the tri-campus Graduate Department of Computer Science. UTM is embarking on an ambitious expansion to its computer science program over the next several years and in the near term is focused on

building a research cluster in the area of robotics. The successful candidate will form the nucleus of this robotics cluster, and we anticipate additional hires in the area in the next few years. The position comes with substantial startup funding for the cluster, including a significant new laboratory space allocation, resulting in a unique opportunity for driven individuals with the leadership skills to build a substantial new research enterprise in a thriving metropolitan area.

All qualified candidates are invited to apply through AcademicJobsOnline at <https://academicjobsonline.org/ajob/jobs/11935>. Applicants must submit a cover letter; a current curriculum vitae; a list of publications; a research statement outlining current and future research interests; and a teaching dossier to include a teaching statement, sample course syllabi, and teaching evaluations. Applicants must also arrange to have at least four valid letters of reference (on letterhead, dated and signed) uploaded through AcademicJobsOnline directly by the writers, including at least one primarily addressing the candidate's teaching, by the closing date.

Review of applications will begin after November 15, 2018; however applications will be accepted until the position is filled.

For more information about the Department of Mathematical and Computational Sciences at the University of Toronto Mississauga see our website at <https://www.utm.utoronto.ca/math-cs-stats/>. Information about the tri-campus Graduate Department of Computer Science

can be found at www.cs.toronto.edu. For additional enquiries, please contact Julia Martyn, Chair's Assistant, at julia.martyn@utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons/ persons of colour, women, Indigenous/ Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

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

University of Utah

Assistant/Associate/Professor (Lecturer)

The University of Utah's Entertainment Arts and Engineering (EAE) program is seeking to hire a teaching faculty member at the rank of assistant, associate or professor (lecturer), beginning Fall 2019. This is a non-tenure track position intended to be a long-term position within the University's Career-Line Faculty structure, with a renewable contract and multi-year appointments.

Seeking to build upon its reputation as a world-class professional games education program, EAE is looking to hire a teaching faculty member in Game Engineering. Candidates must hold a terminal degree, preferably a Ph.D. in Computer Science or a related discipline. Senior candidates must demonstrate a

record of outstanding teaching; junior candidates must demonstrate the potential for teaching excellence. The successful candidate will bring a depth of knowledge about game engineering as well as a passion to convey that knowledge to a diverse collection of students within EAE and the broader Utah student community. Responsibilities include teaching a variety of courses based on specialization. Examples may include games analytics, game engine development, gameplay programming, projects classes and special topics courses in the area of the candidate's specialty. Faculty will teach courses at the graduate and undergraduate levels, including courses in our new BS in Games degree. We are especially interested in candidates who are, or want to be, active in game development broadly construed. The faculty member may also conduct research and is expected to perform university and professional service.

If you are interested in teaching the next generation's leaders in games and interactive entertainment, we strongly encourage you to apply.

The University of Utah's Entertainment Arts and Engineering Program is a world leader in games education, with top-ranked programs at both the undergraduate and graduate levels. Founded in 2007 as a collaborative effort of Utah's Departments of Computer Science and Film and Digital Media, EAE is now an independent teaching program centered on the discipline of games, with graduate and undergraduate programs ranked in the top five worldwide by

Princeton Review consistently since 2013. EAE programs were ranked number one in the world in 2013, 2015 and 2016. The EAE faculty includes artists, computer scientists, designers, games studies scholars, and social scientists who work together to design and teach our courses. This diversity of background in our faculty is one of the core elements of our students' experiences.

The University of Utah is a Carnegie Research I institution located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additionally, a vibrant local game development community offers opportunities for interesting collaborations. In their 2016 report on the videogame industry in the US, the Entertainment Software Association (ESA) described Utah as the 2nd best performing state for growth in the game industry since 2013. Further information about EAE and our current faculty can be found at <https://games.utah.edu/about-eae/>.

Interested candidates should provide a cover letter, curriculum vitae, teaching statement (no more than 2 pages in length), a sample syllabus (for a class they have taught or would like to teach), and names and contact information for at least three references to be considered. Evidence of teaching effectiveness is strongly recommended if available. Applications must be submitted on-line. Review of applications will begin immediately. Applications received by December 1, 2018 will receive full

consideration. EAE is especially interested in qualified candidates who can contribute to the diversity of our academic community. We strongly encourage underrepresented minority and women candidates to apply.

The University of Utah is an Affirmative Action/Equal Opportunity employer and does not discriminate based upon race, national origin, color, religion, sex, age, sexual orientation, gender identity/ expression, status as a person with a disability, genetic information, or Protected Veteran status. Individuals from historically underrepresented groups, such as minorities, women, qualified persons with disabilities and protected veterans are encouraged to apply. Veterans' preference is extended to qualified applicants, upon request and consistent with University policy and Utah state law. Upon request, reasonable accommodations in the application process will be provided to individuals with disabilities. To inquire about the University's nondiscrimination or affirmative action policies or to request disability accommodation, please contact: Director, Office of Equal Opportunity and Affirmative Action, 201 S. Presidents Circle, Rm 135, (801) 581-8365.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

University of Utah

Tenure track faculty - all ranks

The School of Computing at the University of Utah seeks applications for tenure-track faculty at all ranks. The School will run a broad faculty search in all areas of computing and is seeking to fill 10-12 open positions. The School will give applicants with interdisciplinary backgrounds special consideration. Candidates are encouraged to apply early - applications will be evaluated starting in September 2018, and new applications will be considered, as appropriate, through spring of 2019.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the School and our current faculty can be found at <http://www.cs.utah.edu>.

The School of Computing at the University of Utah is committed to broadening the participation in the field of computing and values candidates with diverse intellectual, cultural, and ethnic backgrounds, and who possess a strong commitment to improving access to higher education for historically underrepresented students. The School is also committed to addressing lifestyle priorities and is open to providing opportunities for spouses and significant others.

Candidates may apply through the following URL: <http://utah.peopleadmin.com/postings/82737>

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with appropriate notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.

University of Vermont

Associate Professor

The Department of Computer Science at the University of Vermont is seeking applicants for a tenure-track position at the rank of Assistant or Associate Professor, with duties to start in late August of 2019. We are especially interested in applicants with expertise in security for systems, including architectures and operating systems, networks, and embedded/IoT systems. Ideal candidates would show strong potential for contributing to the activities and growth of the UVM Center for Computer Security and Privacy (<http://compsec.w3.uvm.edu>) at UVM.

The applicant must have a PhD in Computer Science or a closely-related area. Competitive applicants will possess a significant track record of research

excellence as appropriate to their seniority and be capable of outstanding teaching at the graduate and undergraduate levels. We are especially interested in scholars who will contribute to the growth of research efforts in UVM CS by building on existing strengths and developing new collaborations, and who will mentor junior researchers and students effectively. Depending on the level of experience, candidates may be eligible to participate in a tenure review prior to the start of their employment at the University with the approval of the Provost.

The scientific and academic environments in CEMS, and throughout the UVM university community are dynamic, highly collaborative, and multi-disciplinary. Significant campus resources for research collaboration include: The Vermont Advanced Computing Core, The Vermont Complex Systems Center, The Larner College of Medicine, the Institute for Environmental Diplomacy & Security and the Gund Institute for Environment. The University's commitment to the growth of STEM disciplines, including Computer Science, is evidenced by the construction of the STEM Complex, its largest-ever capital project (to be completed Summer 2019).

The University is located in Burlington, Vermont, about 90 miles south of Montreal. Burlington is often rated as the best small city in America for quality of living, and features year-round outdoor recreation and cultural events. Greater Burlington has a population of approximately 150,000 and enjoys a panoramic setting on Lake Champlain, bordered by the Adirondack and Green Mountains.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other category legally protected by federal or state law. The University encourages applications from all individuals who will contribute to the diversity and excellence of the institution. The University of Vermont, established in 1791, is a comprehensive research university with a current enrollment of 12,000+ undergraduate, graduate, and medical students.

Application materials (5 documents) must be submitted online at <http://www.uvmjobs.com>, posting number F1147PO [pos# 005888]: (1) cover letter with names and contact information for at least three references (these must also be entered into the online application system), at least one of which can comment on teaching; (2) current curriculum vitae identifying specific areas of expertise; (3) a detailed statement of research interests; (4) a statement of teaching philosophy and interests; and (5) a diversity impact statement.

Inquiries may be addressed to Dr. Asim Zia, Search Committee Chairperson, at Asim.Zia@uvm.edu. Applications should be submitted by December 15 to ensure full consideration.

University of Virginia

*Open Rank Tenure/Tenure Track
Faculty in Human Machine Interaction
Computer Science*

The Department of Computer Science at the University of Virginia seeks candidates for a tenured or tenure-track position with an emphasis on applicants having established and exceptional research records in Human Machine Interaction. Areas of interest include, but are not limited to, human computer interaction, human robot interactions, human factors, computer-supported cooperative work, and ubiquitous computing. Applicants whose research connects to cyber-physical systems and security are particularly welcome. Candidates will be expected to pursue high-impact scholarship, teach, and perform service for the University and professional organizations. Successful candidates will find a stimulating and nurturing academic environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. Rank is dependent upon qualifications.

A doctorate in an applicable field is required by the start date of the appointment. A commitment to graduate mentoring, teaching excellence, and diversity is essential. For a tenure-track appointment, the applicant must have the potential to develop a high-impact research program. For an appointment with tenure, the applicant must have some teaching experience and have an

established and exceptional reputation for conducting world-class research.

To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85665.

Complete a Candidate Profile online, attach a cover letter, CV, teaching statement, research statement, 2 research papers that best represent the candidate's work (as Other 1 and 2), and the names and contact information for 3 references.

The review of applications will begin on November 15th, 2018 and the position remains open until filled.

For questions about these positions, please contact Professor Sebastian Elbaum, Search Chair, at selbaum@virginia.edu. For questions about the application process, please contact Savanna Galambos, Faculty Search Advisor, at skh7b@virginia.edu.

The University of Virginia is rated as one of the top 3 public universities in the nation and in the top 30 among all universities, public and private. The University is situated in the beautiful foothills of the Blue Ridge Mountains in the vibrant city of Charlottesville. More information about the city, schools, faculty benefits, and other topics can be found at: <http://uvacharge.virginia.edu/guide.html>.

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit <http://provost.virginia.edu/dual-career>.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of

women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff. UVA is an affirmative action and equal opportunity employer. We welcome nominations of and applications from women, members of minority groups, veterans and individuals with disabilities. We also welcome others who would bring additional dimensions of diversity to the university's research and teaching mission. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences.

University of Virginia

*Open Rank Tenure/Tenure Track Faculty in
Systems Computer Science*

The Department of Computer Science at the University of Virginia seeks candidates for a tenured or tenure-track position with an emphasis on applicants having established and exceptional research records in Systems. Areas of interest include, but are not limited to, networks, compilers, operating systems, database systems, embedded systems, and programming languages. Candidates will be expected to pursue high-impact scholarship, teach, and perform service for the University and professional organizations. Successful candidates will find a stimulating and nurturing academic environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. Rank is dependent upon qualifications.

A doctorate in an applicable field is required by the start date of the appointment. A commitment to graduate mentoring, teaching excellence, and diversity is essential. For a tenure-track appointment, the applicant must have the potential to develop a high-impact research program. For an appointment with tenure, the applicant must have some teaching experience and have an established and exceptional reputation for conducting world-class research.

To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85664. Complete a Candidate Profile online, attach a cover letter, CV, teaching statement, research statement, 2 research papers that best represent the candidate's work (as Other 1 and 2), and the names and contact information for 3 references.

The review of applications will begin on November 15th, 2018 and the position remains open until filled.

For questions about these positions, please contact Professor Sebastian Elbaum, Search Chair, at selbaum@virginia.edu. For questions about the application process, please contact Savanna Galambos, Faculty Search Advisor, at skh7b@virginia.edu.

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With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff. UVA is an affirmative action and equal opportunity employer. We welcome nominations of and applications from women, members of minority groups, veterans and individuals with disabilities. We also welcome others who would bring additional dimensions of diversity to the university's research and teaching mission. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences.

University of Waterloo

Assistant Professor - Mathematics or Science

Applications are invited for four tenure-track faculty positions at the rank of Assistant Professor, and in special cases Associate or Full Professor, at the Institute for Quantum Computing (IQC) and any department in the Faculties of Mathematics and Science. IQC is a collaborative research institute focused on quantum information science and

technology, ranging from the theory of quantum information to practical applications. Membership in IQC is renewable, with an initial appointment of 5 years, and comes with research space, a teaching reduction of one course, and a stipend. Information about research at IQC can be found at <http://uwaterloo.ca/iqc/research>.

A PhD and significant evidence of excellence in research in quantum information science and technology and the potential for effective teaching are required. Responsibilities include the supervision of graduate students and teaching at the undergraduate and graduate levels. Based on qualifications, a salary range of \$80,500 to \$155,000 will be considered. Negotiations beyond this salary range will be considered for exceptionally qualified candidates. Effective date of appointment is July 1, 2019. The search is open to all areas of quantum information that connect with the goals and ongoing research at IQC.

The University of Waterloo is host to the Institute for Quantum Computing. At present, IQC has a complement of 30 faculty members (growing to 39) from the Faculties of Engineering, Mathematics and Science. Interested individuals should upload their application via the faculty application form at: <https://uwaterloo.ca/institute-for-quantum-computing/positions>.

Full consideration for these positions is assured only for applications received by December 1, 2018.

If you have any questions regarding the position, the application process, assessment process, eligibility, or a request for accommodation during the hiring process, please contact, IQC Director (iqc-dtr@uwaterloo.ca).

The University of Waterloo regards diversity as an integral part of academic excellence and is committed to employment equity and accessibility for all employees. As such, we encourage applications from women, Indigenous (First Nations, Métis and Inuit) peoples, persons with disabilities, members of diverse gender identities, and others who may contribute to the further diversification of ideas. At Waterloo, you will have the opportunity to work across disciplines and collaborate with an international community of scholars and a diverse student body, situated in a rapidly growing community that has been termed a “hub of innovation”. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will receive priority in the recruitment process.

Three reasons to apply:
<https://uwaterloo.ca/faculty-association/why-waterloo>.

University of Western Ontario

Assistant or Associate Position in Computer Science, Databases

The Department of Computer Science in the Faculty of Science at the University of

Western Ontario is pleased to announce a search for a probationary (tenure-track) position in databases at the rank of Assistant or Associate Professor. The anticipated start date will be 01 July 2019.

Applicants must possess a PhD in Computer Science or a closely related area. The successful candidate will have made fundamental advances in databases and data management, particular areas of interest include, but are not limited to, management of larger heterogeneous datasets, data management for streaming data, data management in parallel and high performance computing applications. The successful candidate must demonstrate an outstanding record of research productivity in the form of publications in high-impact peer reviewed journals and conferences, awards, invited talks and other scholarly achievements as appropriate for their career path and stage. Applicants must demonstrate that they are well-positioned to apply successfully for external funding in both the public and private sectors as evidenced by their current success at funding and/or their potential for future partnerships detailed in their research plan. The successful candidate will be expected to teach undergraduate and graduate courses in Computer Science and to develop new courses in their area at the undergraduate and graduate levels in core computing disciplines and interdisciplinary programs. The successful candidate also must demonstrate their ability to attract and train graduate and undergraduate research students.

Please view the full advertisement at: <https://www.uwo.ca/facultyrelations/careers/pdf/Science---Computer-Science---Databases-2018.pdf>

For enquiries contact: Dianne McFadzean - Department of Computer Science, Western University, London, Ontario N6A 5B7 - westernCS-DB@uwo.ca

Consideration of applications will begin on Dec 1, 2018 and will continue until the position is filled.

University of Western Ontario

Assistant or Associate Position in Computer Science, Machine Learning

The Department of Computer Science in the Faculty of Science at the University of Western Ontario is pleased to announce a search for a probationary (tenure-track) position in Machine Learning at the rank of Assistant or Associate Professor. The anticipated start date will be 01 July 2019.

Applicants must possess a PhD in Computer Science or a closely related area. The successful candidate will have made fundamental advances in machine learning and contributions to the application of machine learning methods in other disciplines. The successful candidate must demonstrate an outstanding record of research productivity in the form of publications in high-impact peer reviewed journals and conferences, awards, invited talks and other scholarly achievements as appropriate for their career path and

stage. Applicants must demonstrate that they are well-positioned to apply successfully for external funding in both the public and private sectors as evidenced by their current success at funding and/or their potential for future partnerships detailed in their research plan. The successful candidate will be expected to teach undergraduate and graduate courses in Computer Science and to develop new courses in their area at the undergraduate and graduate levels in core computing disciplines and interdisciplinary programs. The successful candidate also must demonstrate their ability to attract and train graduate and undergraduate research students.

Please view the full advertisement at: <https://www.uwo.ca/facultyrelations/careers/pdf/Science---Computer-Science---MachineLearning-2018.pdf>

For enquiries contact:
Dianne McFadzean
Department of Computer Science,
Western University,
London, Ontario N6A 5B7
westernCS-ML@uwo.ca

Consideration of applications will begin on Dec 1, 2018 and will continue until the position is filled.

University of Wisconsin-Madison-

Faculty Positions in Computer Science

The Department of Computer Sciences at the University of Wisconsin-Madison currently seeks candidates for

appointments as Assistant Professor and/or Associate Professor to begin in August 2019. The successful candidate will engage in the intellectual life of the department through teaching, scholarly research, and service, and will show potential for developing an outstanding scholarly research program in one or more area(s) of computer science that is recognized by the leaders of the area(s) and for innovative, student-centered teaching in computer science at all levels.

Applicants must have a Ph.D. in Computer Science or in a closely related field prior to the start of the appointment. Duties will include individual and classroom teaching in computer science at the undergraduate and graduate levels, and advising and mentoring graduate students majoring in computer science or related areas; scholarly research in a specialty area with computer science; service to the department, college, university, and academic community, nationally or internationally.

All applications must be submitted through Academic Jobs Online. Application materials, including a curriculum vitae, statements of research and teaching objectives, three sample publications, and names and contact information for at least three references, must be electronically submitted via <http://cs.wisc.edu/faculty-apply>. Applicants are encouraged to submit their applications as soon as possible and no later than December 15, 2018 to ensure full consideration. Applications will be accepted until positions are filled.

The Department of Computer Sciences is among the oldest and top-ranked computer science departments in the world, renowned for its groundbreaking research in computer architecture, database systems, distributed and grid computing, nonlinear optimization, and many other areas of computer science. The department has a strong track record of support of transformative research and building large-scale computing infrastructures, such as HTCondor and CloudLab, and of new interdisciplinary collaborations, programs, and centers, including the Wisconsin Institutes of Discovery (WID) and the Wisconsin Institute on Software-defined Datacenters of Madison (WISDoM). The department has also been the beneficiary of significant donations aimed at supporting its research and educational mission.

UW-Madison is an equal opportunity/affirmative action employer and is committed to creating a diverse and inclusive community. We promote excellence through diversity and encourage all qualified individuals to apply. A background check is required prior to employment.

University of Zurich

Assistant Professorship in Interacting with Data (Non-tenure Track)

The Faculty of Business, Economics and Informatics of the University of Zurich invites applications for an

Assistant Professorship in Interacting with Data (Non-tenure Track)

starting in 2019.

Candidates should hold a Ph.D. degree in Computer Science with specialization in Interactive Data Analysis, Visual Analytics, Information Visualization or related areas and have an excellent record of academic achievements in the relevant fields. A strong motivation to teach both at the undergraduate and the graduate levels as well as an interest in human and societal aspects of managing data are highly beneficial.

The successful candidate is expected to establish her or his research group within the Department of Informatics, actively interface with the other groups at the department and the faculty, and seek collaboration with researchers across faculties within the Digital Society Initiative of the University of Zurich.

Through its educational and research objectives, the University of Zurich aims at attracting leading international researchers who are willing to contribute to its development and to strengthening its reputation. The University of Zurich is an equal opportunity employer and strongly encourages applications from female candidates.

Please submit your application at <https://www.facultyhiring.oec.uzh.ch/position/9633792> before November 30, 2018.

Documents should be addressed to Prof. Dr. Harald Gall; Dean of the Faculty of Business, Economics and Informatics; University of Zurich; Switzerland.

For further questions regarding the profile of the open position please contact Prof. Renato Pajarola (pajarola@ifi.uzh.ch).

University of Zurich

PostDoc in Economics and Computation/ Algorithmic Game Theory

The *Computation and Economics Research Group* at the Department of Informatics at the *University of Zurich* is inviting applications for **1 PostDoc in Economics and Computation/ Algorithmic Game Theory**.

About you: We are accepting applications from all candidates with a PhD (or soon to finish) in the area of Economics and Computation/Algorithmic Game Theory. This includes candidates who have mostly done theory, AI, empirical or experimental work.

We offer: The salary is 82,000-90,000 Euro per year. The duration of the position is 1-2 years, but a further extension is possible.

More details about the position and the application procedure: <http://www.ifi.uzh.ch/en/ce/jobs/postdoc.html>

University of Zurich

PostDoc in Machine Learning (in ERC Project)

The *Computation and Economics Research Group* at the Department of Informatics at the *University of Zurich* is inviting applications for **1 PostDoc in Machine Learning**.

About you: We are accepting applications from all candidates with a PhD (or soon to finish) who have a strong background in Machine Learning. The successful candidate will join the ERC project on "Machine Learning-based Market Design (MIAMI)", working with Prof. Dr. Sven Seuken and 3 PhD students.

We offer: The salary is 82,000-90,000 Euro per year. The maximum duration for this position is 3 years.

More details about the position and the application procedure: <http://www.ifi.uzh.ch/en/ce/jobs/postdoc.html>

University of Zurich

Professorship in Human and Crowd Computing

The Faculty of Business, Economics and Informatics of the University of Zurich invites applications for a

Professorship in Human and Crowd Computing (Assistant/Associate/Full)

starting in fall 2019.

Candidates should hold a PhD in Computer Science, Informatics or a related discipline, and have an excellent research record in the area of "Human and Crowd Computing," ideally with a focus in one or multiple of the following sub-areas: Social Computing, Human Computation, Collective Intelligence, Human-Agent Interaction, Computer-Supported Cooperative Work, Incentive Design/Mechanism Design, Information Elicitation, and the Design/Analysis of Social Platforms. We expect the candidate

to be committed to excellence in teaching both at the undergraduate and the graduate levels. German language skills are not required.

The successful candidate is expected to conduct high-quality research within the area of Human and Crowd Computing and establish her or his research group within the Department of Informatics and internationally. The successful candidate is also expected to actively interface with the other groups at the department and the faculty, and seek collaborations with researchers across faculties within the Digital Society Initiative of the University of Zurich as well as internationally.

The Faculty of Business, Economics and Informatics offers a stimulating research environment and rich opportunities for collaboration. The Human and Crowd Computing professorship is another step towards establishing the strengths of the Department of Informatics within its three focus areas of people-oriented computing, computing and economics, and big data analytics.

The University of Zurich is one of the leading research universities in Europe and offers the widest range of study courses in Switzerland to over 26,000 students. Through its educational and research objectives, the University of Zurich aims at attracting leading international researchers who are willing to contribute to its development and to strengthening its reputation. The University of Zurich is an equal opportunity employer and strongly encourages applications from female candidates.

Please submit your application, including a CV, contact information for at least three references, three papers (published or unpublished), and a record of teaching effectiveness (taught courses and evaluations) via

<https://www.facultyhiring.oec.uzh.ch/position/10092545>

before 30 November, 2018.

Documents should be addressed to Prof. Dr. Harald Gall; Dean of the Faculty of Business, Economics and Informatics; University of Zurich; Switzerland.

For questions regarding the open position please contact Prof. Thomas Fritz (fritz@ifi.uzh.ch) or Prof. Abraham Bernstein (bernstein@ifi.uzh.ch) or Prof. Sven Seuken (seuken@ifi.uzh.ch).

Ursinus College

Assistant Professor of Computer Science

The Mathematics and Computer Science Department at Ursinus College invites applications for a tenure-track position at the Assistant Professor level to begin Fall 2019. Applicants are invited from all areas of computer science. We seek teacher-scholars who are passionate about undergraduate education and research. Teaching responsibilities will include both introductory and higher-level computer science courses for undergraduates. The successful candidate will be expected to establish a research program as well. Preference will be given to candidates enthusiastic for teaching a wide variety of courses including graphics, database,

and systems courses. A Ph.D. in Computer Science or a closely-related field is strongly preferred; ABD with anticipated completion in Fall 2019 will be considered.

Full Application details can be found at <https://apply.interfolio.com/55903>.

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

Vanderbilt University

Tenure-Tenure Track (T/TK) Faculty Position in Computer Science

THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (EECS) AT VANDERBILT UNIVERSITY is seeking candidates for a tenured/tenure-track (T/TK) faculty position in computer science. Candidates of all ranks will be considered in data science, machine learning, data mining, visualization, computer vision, and/or artificial intelligence. Successful candidates are expected to teach at the undergraduate and graduate levels and to develop and grow vigorous programs of externally funded research. The Vanderbilt CS program provides a unique, collaborative, and interdisciplinary research environment. Candidates will be core members of Vanderbilt's recently established Data Science Institute, and will be expected to contribute to the research and teaching mission of the institute, and ideally to foster research collaborations with existing faculty across academic departments working on data science related topics.

Vanderbilt University has a strong institutional commitment to recruiting and retaining an academically and culturally diverse community. Minorities, women, individuals with disabilities, and members of other underrepresented groups, in particular, are encouraged to apply. Vanderbilt is an Equal Opportunity/Affirmative Action employer.

Applications should be submitted on-line at: <http://apply.interfolio.com/55253>.

For more information, please see: <http://engineering.vanderbilt.edu/eecs>.

Applications will be reviewed on a rolling basis beginning November 1, 2018. The deadline is January 15, 2019.

VCU College of Engineering

Computer Science Faculty Openings

The Computer Science Department of the College of Engineering (CoEGR) at Virginia Commonwealth University (VCU) invites applications for Assistant/Associate/Full Professor faculty.

Candidates should be qualified for an appointment based on publications and funding record as well as excellence in graduate and undergraduate teaching. Candidates in all areas of computer science will be considered, of special interest are faculty with research in cybersecurity and theoretical computer science.

VCU is a Carnegie-classified very high research activity university, ranked in the top 100 universities in the U.S. in federal R&D expenditures. The CoEGR is in an extensive

growth stage, doubling the number of its faculty. Embarked on rapid growth, the department currently has 24 tenure-track, tenured and term faculty members.

Basic Qualifications: Applicants must have a doctorate in Computer Science or a related field. Relevant professional experience after receiving the Ph.D. is required. Successful candidates should have a well-developed research portfolio with evidence of multidisciplinary applications and external funding.

Application Process: Candidates should upload their application at <https://www.vcujobs.com/postings/82456>, as a single PDF file that includes, in this order, a cover letter, curriculum vitae, research and teaching statements, and the names and e-mail addresses of four references (five references for Full Professors); reference letters will be requested by the search committee only for short-listed individuals. Only complete applications will be considered. Review of applications will start on November 1, 2018, and will continue until the positions are filled. For additional information, please contact Chair of the faculty search committee, Prof. Lukasz Kurgan, email: lkurgan@vcu.edu or phone: (804) 827-3986.

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

Victoria University of Wellington

*Postdoctoral Research Fellow
Faculty of Engineering Kelburn Campus
Two positions available.*

The Computational Media and Innovation Centre (CMIC) is a new centre within the Faculty of Engineering, which aims to develop a globally competitive research and entrepreneurship programme that facilitates the transfer of computational research outcomes into media technologies for potential commercialisation and start-up businesses.

This role of the postdoctoral research fellow is to perform industry motivated research projects, deliver high quality research outcomes, produce top tiered research publications and novel intellectual properties, and develop software programmes in collaboration with other CMIC staff.

This role will work closely with CMIC's Director and Deputy Director, centre staff of CMIC, students, and industry partners.

The important selection criteria is as follows (please refer the details from the role description);

- PhD in Computer Science or a related field
- Strong background in computational media, computer graphics, computer vision and machine learning
- Demonstrated understanding of the

research process

- Demonstrated experience with successful development of novel research outcomes
- Excellent software programming skills
- Ability to work as part of a team
- Ability to work with international and industry collaborators
- Demonstrated ability to direct and present their own work, and to work in an organised and structured manner

Experience in writing scientific reports and papers

This is a full-time, one to three year fixed-term position.

For further information, please contact Siyun Thompson, Center Manager of CMIC at Siyun.thompson@vuw.ac.nz

Applications close Sunday, 4 November 2018

Victoria University of Wellington is an EEO employer and actively seeks to meet its obligations under the Treaty of Waitangi.

For more information and to apply online visit <http://www.victoria.ac.nz/about/careers/current-vacancies>

Reference 2434.

Villanova University

Assistant Professor - Tenure Track

The Department of Computing Sciences at Villanova University seeks applicants for a tenure track position in Computer Science at the rank of Assistant Professor. The appointment will be effective in Fall 2019. Review of applications is ongoing and will continue until the position is filled. Potential candidates should have a Ph.D. or other terminal degree in computer science or a closely related field from an accredited institution.

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

Candidates for the position should demonstrate how they will maintain an active research agenda leading to high quality publications. They should also provide evidence of commitment to effective teaching at the undergraduate and graduate levels. Strong candidates from all areas will be considered. Applicants with background in database systems, big data, parallel systems, and high-performance computing are

preferred. The Department encourages and supports faculty members interested in interdisciplinary teaching and research.

Applicants must apply online at <https://jobs.villanova.edu/>. The online application should include a letter indicating interests and suitability for the position, statement of research interests, statement of teaching philosophy, curriculum vitae, unofficial academic transcripts, and contact information for three references who will receive a secure link to upload a confidential letter of recommendation when you submit your application. Questions about the position can be directed to the search committee chair, Dr. Robert Beck at Robert.Beck@villanova.edu.

Villanova is a Catholic university sponsored by the Augustinian order. Diversity and inclusion have been and will continue to be an integral component of Villanova University's mission. The University is an Equal Opportunity/Affirmative Action employer and seeks candidates who understand, respect and can contribute to the University's mission and values.

Virginia Polytechnic Institute and State University

Asst/Assoc/Full Professor in Dynamics, Control, and Estimation

The Kevin T. Crofton Department of Aerospace and Ocean Engineering invites applications for a tenure-track or tenured faculty position in dynamics, control,

and estimation effective August 2019. The position requires a doctorate in engineering or a related discipline such as computer science, robotics, mathematics, or physics. The position will be filled at a rank commensurate with qualifications and experience.

The successful candidate will be able and willing to conduct scholarly research and teach graduate and undergraduate courses in the broad theme of dynamics, control, and estimation. Candidates with expertise that complements the strategic thrust areas described on the department website (www.aoe.vt.edu) are encouraged to apply. The search committee would especially welcome applications from candidates whose scholarship relates to cybersecurity; cyberphysical systems; networked multi-agent systems; control in adversarial environments; ocean, atmospheric, or space robotics and autonomy; or other, related aerospace and ocean engineering topics that are important for commerce and security.

The successful candidate will join an endowed department comprising about 3 dozen faculty members, 175 full-time graduate students, and 500 undergraduate students. The candidate may contribute to the department's existing collaborations with the Hume Center for National Security and Technology (www.hume.vt.edu), the Institute for Critical Technology and Applied Science (www.ictas.vt.edu) and the Center for Space Science and Engineering Research, or Space@VT (www.space.vt.edu).

Recognizing the importance of diverse teams of scholars, and Virginia Tech's role as the commonwealth's land grant university, the Aerospace and Ocean Engineering Department is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. We seek candidates who will adopt and practice the university's Principles of Community, which are fundamental to Virginia Tech's on-going efforts to increase access and inclusion and to create a community that nurtures learning and growth for all of its members. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, or veteran status; or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees, or applicants; or any other basis protected by law.

For inquiries regarding non-discrimination policies, contact the Office of Equity and Access at 540-231-2010 or Virginia Tech, North End Center, Suite 2300 (0318), 300 Turner St. NW, Blacksburg, VA 24061.

Required Qualifications:

A Ph.D. degree in engineering or a related discipline such as computer science, robotics, mathematics, or physics is required.

The successful candidate for this position

must be capable of initiating new research programs in areas that support the development of aerospace and/or ocean systems. The faculty member will be expected to help recruit, and then guide and mentor, graduate students to conduct research. The successful candidate will teach relevant Aerospace or Ocean Engineering subjects at both the undergraduate and graduate level.

Candidates must be strongly committed to working within a diverse population of students, faculty, and staff.

How to Apply for this Job:

Applicants must provide a cover letter, contact information for three professional references, a candidate statement discussing teaching, research, and professional goals, and a current CV. Prospective applicants who wish to obtain further information should contact: Dr. Craig Woolsey, Professor and Faculty Search Committee Chair, Kevin T. Crofton Department of Aerospace and Ocean Engineering (MC 0203), Virginia Tech, 460 Old Turner Street, Blacksburg, VA 24061, E-Mail: cwoolsey@vt.edu. Review of applications will begin December 1, 2018, and continue until the position is filled.

Applicants are required to apply online at <https://listings.jobs.vt.edu/login> and should use posting number TR0180126.

Virginia Tech

*Collegiate Assistant/Associate/
Full Professor, Electrical & Computer
Engineering*

Assistant/Associate/Full Professor

The Bradley Department of Electrical and Computer Engineering (ECE) at Virginia Tech seeks applications for two full-time, academic year, non-tenure-track Collegiate Faculty who will be members of the ECE Masters of Engineering (MEng) degree program. Areas of technical interest include, but are not limited to, cybersecurity, power engineering, autonomy and machine learning. The first position will be filled in the area of Machine Learning and will be located in Northern Virginia. The second position will be based in either Blacksburg, Virginia or Northern Virginia and is flexible with regard to technical area of emphasis.

*Honors ECE Boeing Collegiate Assistant/
Associate Professor*

The Honors College and the Department of Electrical and Computer Engineering seek a versatile instructor with a background in electrical and computer engineering (ECE). This is a Collegiate Faculty position (non-tenure, renewable) at the rank of assistant or associate professor. This position is being supported by Boeing, the first founding industry partner of the Discovery Program, and the appointee will carry the title Boeing Collegiate Professor of the Calhoun Honors Discovery program. This position will be based in Blacksburg.

Please visit www.ece.vt.edu for complete information and the application process.



COLLEGIATE ASSISTANT PROFESSOR Department of Computer Science

The Department of Computer Science at Virginia Tech (cs.vt.edu) seeks applicants for two collegiate faculty positions at the Assistant Professor level. Candidates must have a Ph.D. in computer science or related field at the time of appointment. Successful candidates should give evidence of commitment to issues of diversity in the campus community. Collegiate faculty members have a primary commitment to the instructional mission of the department, including graduate and undergraduate teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Successful candidates should give evidence of potential to take a lead role in enhancing curricula and promoting teaching excellence. The collegiate faculty rank is a non-tenure-track position that offers a clear promotion path with increasingly long-term contracts. Collegiate faculty members are full members of the department faculty; in addition to teaching, they are expected to participate in research and scholarship, mentor graduate students, participate in department and professional service, etc. Candidates will have the opportunity to collaborate with a wide range of research groups in the department, including a thriving group in CS education research. Candidates with demonstrated knowledge of CS education research topics such as education-related software systems, analysis of student data analytics, CS education for non-majors or at the K-12 level, cybersecurity education, data science education, distance education, service or experiential learning, or diversity in CS are encouraged to apply.

The department has 53 teaching faculty, including 47 tenured or tenure-track faculty, over 950 undergraduate majors, and more than 250 graduate students. The department is in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 30th among all U.S. engineering schools (*US News & World Report*). Virginia Tech's main campus is located in Blacksburg, VA, in a region consistently ranked among the country's best places to live.

Applications must be submitted online to jobs.vt.edu for posting #TR0180121. Applicant screening will begin on November 26, 2018 and continue until the positions are filled. Inquiries should be directed to Dr. Dennis Kafura, Search Committee Chair, kafura@cs.vt.edu.

These positions require occasional travel to professional meetings.

Selected candidates must pass a criminal background check prior to employment.

Virginia Tech is an AA/EEO employer, committed to building a culturally diverse faculty; we strongly encourage applications from traditionally underrepresented communities.

Virginia Tech - Virginia Polytechnic Institute

Faculty, Secure Systems

The Bradley Department of Electrical

and Computer Engineering at Virginia Tech seeks applications for an open rank position, specifically in the area of Secure Hardware/Software Systems. The position is based in Northern Virginia. Please visit www.ece.vt.edu for complete

information and the application process.

To apply go to jobs.vt.edu and search on posting TR0180101 for complete information and the application process.

Virginia Tech

Postdoctoral Associate

Applications are invited for a postdoctoral associate position in computer simulation and machine learning. The candidate will

work on an interdisciplinary project that aims to develop novel approaches to drone navigation in natural environments inspired by biosonar of bats. The duties include developing large-scale simulation and novel robotic algorithms to enable biosonar-inspired sensing and navigation.

Prospective applicants should have:

(1) A Ph.D. degree in computer science, computer engineering or a related discipline with focus on: high-performance computing, large-scale simulation,

machine learning, computer graphics, or robotic algorithms; (2) Extensive experience in coding with MATLAB/Python/R and low-level programming languages in C/C++ or equivalent; (3) Skills in parallel and GPU-based computing. A good mathematical/statistical background is preferred.

Applications must be submitted online at <http://listings.jobs.vt.edu> to posting number SR0180175. A quick link is at <http://listings.jobs.vt.edu/postings/90376>.



FACULTY POSITIONS Department of Computer Science

The Department of Computer Science at Virginia Tech (cs.vt.edu) seeks applicants for at least three faculty positions, including two open rank positions in computer systems and a tenure-track Assistant Professor position in AI/ML. Candidates must have a Ph.D. in computer science or 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. Tenured and tenure-track faculty are expected to teach graduate and undergraduate courses, mentor graduate students, and develop a high-quality research program.

ASSISTANT, ASSOCIATE, OR FULL PROFESSORS IN COMPUTER SYSTEMS. Candidates are sought for multiple tenured or tenure-track positions in computing systems. Topics of interest include, but are not limited to: operating systems, file and storage systems, distributed systems, cloud, IoT and edge systems, mobile systems, secure and reliable systems, embedded systems, system management, and virtualization. Candidates with interests in systems research topics applicable to high-performance blockchain systems and applications are particularly encouraged to apply. We also welcome candidates at the interface to related areas such as computer architecture, networking, programming languages, and analytics. Successful candidates will have the opportunity to leverage significant ongoing collaboration and support from industrial partners, including block.one, with strengths in decentralized systems and blockchain applications. This initiative is also part of ongoing investment that has led to six tenure-track faculty members joining the department and the [stack@cs](http://stack@cs.vt.edu) Center for Computer Systems since 2013. [Stack@cs](http://stack@cs.vt.edu) researchers consistently publish and showcase high-impact results at top international venues. Current [stack@cs](http://stack@cs.vt.edu) strengths include parallel and distributed systems, file and storage systems, cloud, IoT and edge systems, compilers and runtime systems, computer architecture, systems security, and high-performance computing. Current [stack@cs](http://stack@cs.vt.edu) faculty have earned 8 Early Career Awards and numerous faculty awards from industry.

Applications must be submitted online to jobs.vt.edu for posting #TR0180127. Applicant screening will begin on November 26, 2018 and continue until the position is filled. Inquiries should be directed to Dr. Kirk Cameron, Search Committee Chair, systemssearch@cs.vt.edu.

ASSISTANT PROFESSOR IN AI/ML. The department seeks applicants for a tenure-track Assistant Professor position in artificial intelligence and/or machine learning. Exceptional candidates at higher ranks may also be considered. Candidates with core research interests in AI/ML are especially encouraged to apply. Some example areas include deep learning, reinforcement learning, natural language processing, probabilistic models, optimization, and learning theory. Example application areas of interest include computer vision, robotics, social informatics, high performance computing, and intelligent systems. The department has an active group of researchers in AI/ML, many of whom are members of the Discovery Analytics Center (dac.cs.vt.edu), which leads data science research on campus. CS faculty also collaborate in other interdisciplinary research groups, including the Center for Human Computer Interaction (hci.vt.edu), the Center for Business Intelligence and Analytics (cbia.pamplin.vt.edu), the Hume Center for National Security and Technology (hume.vt.edu) and the Biocomplexity Institute (bi.vt.edu). Successful candidates will also have the opportunity to engage in transdisciplinary research, curriculum, and outreach initiatives with other university faculty working in the Data & Decisions Destination Area, one of several university-wide initiatives (provost.vt.edu/destination-areas).

Applications must be submitted online to jobs.vt.edu for posting #TR0180129. Applicant screening will begin on December 10, 2018 and continue until the positions are filled. Inquiries should be directed to Dr. Edward Fox, Search Committee Chair, fox@vt.edu.

The Department of Computer Science has 53 teaching faculty, including 47 tenured or tenure-track faculty, over 950 undergraduate majors, and more than 250 graduate students. Department annual research expenditures over the last four years average \$12 million. The department is in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 30th among all U.S. engineering schools (*US News & World Report*). Virginia Tech's main campus is located in Blacksburg, VA, in a region consistently ranked among the country's best places to live.

These positions require occasional travel to professional meetings.

Selected candidates must pass a criminal background check prior to employment.

Virginia Tech is an AA/EEO employer, committed to building a culturally diverse faculty; we strongly encourage applications from traditionally underrepresented communities.

Required documents include cover letter, CV, research statement, and contacts of three references.

Virginia Tech

Tenured/Tenure-Track Faculty, Computer Engineering

Applications are sought for a **tenured/tenure-track position in Computer Engineering, at the rank of Assistant or Associate Professor**, specifically in the area of perception for autonomous systems, including (but not limited to) deep learning, knowledge representation & reasoning, reinforcement learning, reasoning under uncertainty, and their applications to perception in robotics and autonomy. This position is based in Blacksburg.

Applications for a **tenured-tenure-track Open Rank position in the area of secure hardware/software systems**. Specific areas of interest include embedded system security, cyber-physical system security, security of artificial intelligence and machine learning (AI/ML), security of future wireless and cloud systems, and security of connected infrastructure and the Internet of Things (IoT). This position will be based in Northern Virginia.

Applications for a **tenured/tenure-track position at the rank of Assistant or Associate Professor in the area of Power Systems**. There is a specific interest in technical challenges related to the future power grid, including large-scale integration of renewable energy,

microgrid, and distributed resources; distribution systems in a decentralized environment; HVDC applications; and cyber security of the power grid. The position is based in Blacksburg.

Please visit www.ece.vt.edu for complete information and the application process.

Wabash College

Tenure-Track Position in Computer Science

Wabash College invites applications for a tenure-track position in computer science, to start July 1, 2019, in support of a new computer science major that we anticipate offering starting the fall 2019 semester. We anticipate hiring at the assistant professor level, but will consider candidates of any rank. A Ph.D. in computer science or closely related field by the time of appointment is expected. Any specialization will be considered, but preference may be given to areas that expand the breadth of the department. Applicants must have a commitment to excellence in undergraduate teaching, an appreciation for the broad intellectual community of an excellent liberal arts college, and the ability to work with a diverse student body.

Wabash College offers competitive salaries and benefits with substantial conference and research support for faculty. The appointments are made with the expectation of development or continuation of research or creative work. Completed applications should be

received before November 1, 2018. At the time of application, applicants will provide a letter of interest, vita, copies of undergraduate and graduate transcripts, essay describing teaching philosophy, research statement, and e-mail addresses for three persons who will submit confidential letters of recommendation (two of which should address teaching). Upon submission of the application, Wabash will e-mail references to request letters of recommendation, which are also due November 1. Questions concerning this position may be directed to Dr. William Turner, Chair of the Mathematics and Computer Science Department, at turnerw@wabash.edu; application questions may be directed to Rochella Endicott, Academic Administrative Coordinator, at endicotr@wabash.edu.

Wabash College, a liberal arts college for men, seeks faculty and staff who are committed to providing quality engagement with students, high levels of academic challenge and support, and meaningful experiences that prepare students for life and leadership in a diverse, multicultural world. Wabash is an equal opportunity employer and welcomes applications from persons of all backgrounds.

Washington and Lee University

Assistant Professor of Computer Science

The Department of Computer Science at Washington and Lee University invites applications for a tenure-track Assistant Professor position for the fall of 2019.

Candidates should have a Ph.D. in computer science by September 1, 2019, be committed to excellence in undergraduate teaching, and exhibit potential for maintaining a viable research program.

For more information about the department, see <http://cs.wlu.edu/>

Applications should include a cover letter, teaching and research statements, and three letters of reference, to be submitted to interfolio at <https://apply.interfolio.com/53674>

Washington State University

Tenured/Tenure-Track Faculty Position in Systems, Computer Science

The School of Electrical Engineering and Computer Science (EECS) at Washington State University in Pullman, WA invites applications for a permanent full-time tenured/tenure-track faculty position at the assistant/associate/full professor level with research emphasis in areas including (not limited to): storage systems, operating systems, programming language systems and compilers, runtime systems, computer security, networking and distributed systems, and high-performance computing.

Candidates must have earned a Ph.D. degree in computer science or a related field, published promising work, and demonstrate a strong commitment to building a world-class research and training program in systems. Candidates

must have strong leadership qualities commensurate with the rank, as well as exceptional communication and interpersonal skills, and a strong commitment to teaching excellence.

The job duties include teaching undergraduate and graduate courses; conducting funded research; publishing in top-tier venues; directing M.S. and Ph.D. student research programs; participating in teaching assessment activities; and collaborating with others within the School, the University, or other organizations including national laboratories.

Applications should include a cover letter indicating the level of position sought, and summarizing qualifications. Additional criteria and instructions can be found at <https://www.wsujobs.com/postings/40674>.

Application review begins December 1, 2018.

Washington State University Vancouver

COMPUTER SCIENCE - two non-tenure-track clinical assistant professor positions

COMPUTER SCIENCE - Washington State University Vancouver invites applications for two non-tenure-track positions at the clinical assistant professor level beginning January 2, 2019.

Required qualifications: MS in Computer Science or related field; experience in application programming and Linux/Unix programming tools.

Preferred qualifications: Ph.D. in Computer Science or related field; college level teaching experience; teaching interest in at least two areas of: theory, operating systems, distributed systems, graphics, architecture or cloud/mobile computing; industry experience; ABET accreditation experience.

Primary responsibility is to teach and develop undergraduate courses in computer science. The successful candidate is also expected to participate in graduate education. Other responsibilities include holding office hours, advising, conducting course assessments, service contributions on committees, participation in recruitment events and contributing to our campus diversity goals (e.g. incorporate issues of diversity into mentoring, curriculum, or service).

WSU Vancouver serves about 3,600 graduate and undergraduate students and is fifteen miles north of Portland, Oregon. The School of Engineering and Computer Science (ENCS) is rapidly growing. WSU is Washington's land grant university with faculty and programs on four campuses. For more information: <http://ecs.vancouver.wsu.edu>. WSU Vancouver is committed to building a culturally diverse educational environment.

To apply: Please visit www.wsujobs.com and search postings by location. Applications must include: (1) cover letter with a clear description of experience relevant to the position; (2) vita including a list of three references, (3) a list of the existing ENCS courses the candidate can teach and any new courses the candidate proposes to develop, and (4) a statement

on equity and diversity (guidelines).
Application deadline is open until filled.

WASHINGTON STATE UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EDUCATOR AND EMPLOYER. Members of ethnic minorities, women, special disabled veterans, veterans of the Vietnam-era, recently separated veterans, and other protected veterans, persons of disability and/or persons age 40 and over are encouraged to apply. WSU employs only U.S. citizens and lawfully authorized non-U.S. citizens.

Washington University in St. Louis

Tenure Track Faculty Position

The Department of Computer Science and Engineering at Washington University in St. Louis seeks outstanding tenure-track faculty to begin on or after July 1, 2019. Our department has been growing with plans to continue expanding in the coming years. We seek talented and highly motivated individuals who will build transformative research programs through work in the core disciplines of computer science and computer engineering, as well as through interdisciplinary collaborations. While exceptional candidates from all areas of computer science and engineering will be considered, we particularly welcome those with expertise in the theory and practice of data security, privacy, and safety in a world of connected resources and devices. We are interested in a diverse set of approaches

to these problems, including multi-disciplinary approaches such as human-in-the-loop and data science. Candidates interested in exploring innovation opportunities will also benefit from access to the Cortex Innovation Community that offers a vibrant ecosystem in support of entrepreneurial activities in the St. Louis area. Successful candidates should show exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates will be expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service. The department is also continuing its participation in a separate, large-scale recruiting effort of the School of Engineering and School of Medicine in the area of imaging. This effort, which started two years ago, expects to again recruit additional faculty in the imaging area this year.

Our faculty is engaged in a broad range of research activities. Key strategic themes include: tight integration of computation with the human and physical worlds, the extraction of knowledge from massive data sets, and the design of safe, secure, and scalable computing systems. The impact of our work is magnified through interdisciplinary collaborations throughout the School of Engineering, with colleagues in the sciences, arts, and humanities, and with our world-renowned School of Medicine. In particular, the department recently initiated a new inter-disciplinary Ph.D. program, jointly with the Brown School of Social Work and

the departments of Political Science and Psychological and Brain Sciences, aimed at training students to apply modern computational and statistical methods to critical social science problems. Our doctoral graduates go on to leadership positions in both academia and industry. The department values both fundamental and applied research and has a strong tradition of successful technology transfer. Our faculty is known for its collegiality and for providing a supportive environment for new arrivals. Washington University is a private university with roughly 7,000 full-time undergraduates and 7,000 graduate students. It is nationally known for the exceptional quality of its student body and for its attractive campus, which borders residential neighborhoods and one of the nation's largest urban parks. Many faculty walk or bike to work. St. Louis combines a Midwest cost of living with a vibrant metropolitan area, offering a wealth of cultural and entertainment opportunities.

Appointments at the Associate or Full Professor level will be considered for candidates with commensurate experience and visibility. Applicants must hold a doctorate in Computer Science, Computer Engineering, or a closely related field. Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and contact information for at least three references) through AcademicJobsOnline at <https://academicjobsonline.org/ajol/jobs/I2296>. Other communications may be

directed to Prof. Roch Guérin, Department of Computer Science and Engineering, Campus Box 1045, Washington University in St. Louis, One Brookings Drive, St. Louis, MO 63130-4899.

Diversity and Inclusion are core values at Washington University, and the strong candidate will demonstrate the ability to create inclusive classrooms and environments in which a diverse array of students can learn and thrive.

Applications received by December 15, 2018, will receive full consideration. An Equal Opportunity Affirmative Action Employer, Washington University seeks an exceptionally qualified and diverse faculty; women, minorities, protected veterans, and candidates with disabilities are strongly encouraged to apply.

Williams College

Tenure Track Faculty Positions in Computer Science

The Department of Computer Science at Williams College invites applications for two tenure-track positions, one at the assistant professor level and one open-rank, beginning fall 2019. The Assistant Professor position has a three-year initial term. The rank and initial term of the open-rank position will be determined by the qualifications of the successful candidate. Both positions are open to all areas of computer science.

New faculty will join eleven current members of the department in supporting a thriving and diverse undergraduate computer science major.

Candidates should have a commitment to excellence in teaching and research, and should, by September 2019, possess a Ph.D. in computer science or a closely related discipline. Successful candidates will teach a total of three courses during the academic year, along with associated labs.

The Department of Computer Science offers a congenial working environment, an excellent and diverse student body, and state-of-the-art facilities. Many opportunities exist for collaboration across disciplines. For more information about the department, please visit <http://www.cs.williams.edu>.

Applications should include a cover letter, curriculum vitae, teaching and research statements, and three letters of reference, at least one of which speaks to the candidate's promise as a teacher. The application materials should also address how the candidate's teaching, scholarship, mentorship and/or community service might support Williams' commitment to diversity and inclusion. Application materials must be submitted electronically through Interfolio: <https://apply.interfolio.com/53200>. Materials may be addressed to Professor Jeannie Albrecht, Chair, Department of Computer Science.

Review of applications will begin on December 1, and will continue until the positions are filled. Please direct all correspondence to hire@cs.williams.edu. All offers of employment are contingent upon completion of a background check as described here [https://faculty.williams.edu/prospective-faculty/background-](https://faculty.williams.edu/prospective-faculty/background-check-policy/)

[check-policy/](#).

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (<http://www.williams.edu>).

Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

Yahoo Research

Research Scientist

Yahoo Research is growing its strategic research teams to enable the company to build new products and platforms that our customers need, now and in the future. We have exciting job openings in several technical focus areas (data mining, optimization, machine learning, computational economics, security) in our New York City office located in Greenwich Village, one of the most exciting NYC neighborhoods, and Sunnyvale, CA campus.

The full position description is available here https://oath.wd5.myworkdayjobs.com/careers/job/US---New-York-Broadway-770/Research-Scientist_JR0001595

Please send your CV and a short letter of interest to Maxim Sviridenko (sviri@oath.com)



Worcester Polytechnic Institute

Assistant Professor of Computer Science

Looking for faculty colleagues who engage deeply in both research and teaching within a curriculum that embraces student projects and independent learning? Consider joining the faculty at WPI.

The Computer Science Department anticipates hiring multiple tenure-track faculty for the Fall of 2019 whose expertise is in the following areas:

- 1) Algorithms, particularly with expertise that may be complementary to interdisciplinary programs in Bioinformatics, Data Science and Learning Science;
- 2) Natural Language Processing,
- 3) Cyber-Physical Systems,
- 4) Dependable Software Systems,
- 5) Data Science, joining faculty in our interdisciplinary Data Science program,
- 6) Robotics, joining faculty in our interdisciplinary Robotics Engineering program,
- 7) Computational Neuroscience, working with faculty in Biology and our interdisciplinary Bioinformatics and Computational Biology program.

In addition to these specific areas, outstanding candidates in any area will receive full consideration. Candidates should have a PhD in Computer Science or a closely related field, and the potential for excellence in research and teaching.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low – faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. We are most proud of a recent No. 1 ranking for “faculty who best combine research and teaching.”

(Wall Street Journal/Times Higher Ed, 2016). Located one hour west of Boston, the university's campus is in Worcester, Massachusetts, a thriving 21st century college city recognized as a growing hub of scientific and technological innovation.

Questions about the hiring process should be sent to recruit@cs.wpi.edu.

More information about the positions and instructions for applying are available at <http://apptrkr.com/1286887>. You will need to include detailed research and teaching statements, vitae and contact information for at least three references.

The deadline for applications is December 17, 2018 with applications continuing to be considered after that date until the positions are filled.

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making.

GREAT MINDS at WORK



Worcester Polytechnic Institute

Assistant Professor, Robotics Engineering

The WPI Robotics Engineering (RBE) Program (<http://www.wpi.edu/+RBE>) invites applications for a tenure-track faculty appointment.

Candidates should have a Ph.D. in Computer Science, Electrical and Computer Engineering, Robotics, or a closely related field. We are looking for faculty who would synergize with our current researchers in the fields of medical robotics, planning, controls, manipulation, autonomous vehicles, multi-agent systems, soft and bioinspired robots, haptics, human-machine interaction, and human augmentation and collaboration.

We especially encourage applicants with an expertise in autonomous vehicles (water/ground/air/space/etc.), including, but not limited to, autonomous navigation, multi-modal perception, learning, and connected vehicle technologies.

We are looking for individuals who value innovation, creativity, diversity, inclusion, and collaboration. Applicants must show potential for an innovative and sustainable research and teaching career. WPI expects faculty to be involved in a balance of research, teaching, and service.

WPI RBE, an ABET-accredited program, counts approximately 350 undergraduate and 170 graduate students and offers robotics engineering BS, MS, and Ph.D. degrees. In 2016 the program was awarded the inaugural ABET Innovation Award for its truly interdisciplinary, project-based curriculum that integrates Computer Science, Electrical and Computer Engineering, and Mechanical Engineering. The 18 core and 20+ affiliated robotics faculty members have research support from NSF, NIH, AFRL, ONR, NASA, DARPA, and industry funding. Our robotics laboratories include numerous and diverse robotic platforms. In addition to existing robotics facilities, faculty will have access to PracticePoint, a soon-to-be completed healthcare robotics R&D facility that is designed to promote collaboration between faculty, the medical robotics and cyber-physical systems industry, the University of Massachusetts Medical School, and physicians. We expect you to contribute to the exceptionally close-knit, collaborative, and collegial atmosphere we currently enjoy.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low — faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. We are most proud of a recent No. 1 ranking for “faculty who best combine research and teaching” (Wall Street Journal/Times Higher Ed, 2016). Located one hour west of Boston, the university's campus is in Worcester, Massachusetts. The second largest city in New England, Worcester is a thriving 21st century college city recognized as a growing hub of scientific and technological innovation.

You will actively engage in teaching robotics at both the graduate and undergraduate levels, and to establish a vibrant, externally funded research program.

Applications will be reviewed as they are received; therefore, applicants are encouraged to apply early, preferably by Dec. 10, 2018.

To apply, visit: <http://apptrkr.com/1285770>

WPI is an Equal Opportunity Employer. A pre-employment criminal records check is required.

GREAT MINDS at WORK

 **Worcester Polytechnic Institute**

Assistant Professor of Data Science

The Data Science program invites applications for a tenure track position with a research focus in Data Science to begin in Fall 2019 to strengthen this strategic interdisciplinary area.

The new faculty will join the strong team of existing data science faculty working on interdisciplinary research related to big data on real-world grand challenge problems with societal impact.

Areas of strength in Data Science at WPI include statistical learning, machine learning, deep learning, large-scale data management, compressed sensing, big data analytics, signal processing, visualization, artificial intelligence, and Data Science applications from digital health, cyber security, social media, material sciences, neuro-sciences, connected communities, urban computing, to bioinformatics.

WPI is interested in applicants with research and teaching expertise in all areas of Data Science, but in particular in applicants with strong background complementary to the existing expertise. Areas of strength in Data Science at WPI include statistical learning, machine learning, deep learning, large-scale data management, compressed sensing, big data analytics, signal processing, visualization, artificial intelligence, and Data Science applications from digital health, cyber security, social media, material sciences, neuro-sciences, connected communities, urban computing, to bioinformatics. Outstanding candidates in any area of Data Science will receive full consideration. The successful candidate will hold an academic appointment in either the Mathematical Sciences or the Computer Science Department.

Candidates should have a Ph.D. in Computer Science, Mathematical Sciences, Statistics, Electrical Engineering or a closely related field, and the potential for excellence in teaching and research. Candidates should include detailed research and teaching statements, vitae, and contact information for at least three references.

Founded in 1865, WPI is one of the nation's first technological Universities known for its innovative project-based education. WPI's reputation as an innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low - faculty members, students, and other partners work together on real-world projects and purposeful research. We are most proud of a recent No. 1 ranking for "faculty who best combine research and teaching." (Wall Street Journal/Times Higher Ed, 2016).

The deadline for applications is December 10, 2018. Applications will be considered after that date until the position is filled.

To apply, visit: <http://apptrkr.com/1286301>

WPI is an Equal Opportunity Employer.

GREAT MINDS at WORK

 **Worcester Polytechnic Institute**

Professor (Open Rank) - Neuroscience

As part of its Neuroscience Initiative, WPI invites applications for an open rank tenured or tenure-track position in Neuroscience to begin in the fall of 2019.

Applicants should have a strong track record in computational neuroscience research and a Ph.D. in the life sciences, computer science, biomedical engineering, psychology, or a closely related discipline. The successful candidate will be expected to develop and maintain a robust, externally funded neuroscience research program that complements and intersects areas such as, but not limited to: cognitive neuroscience, neuroimaging, neuroimmunology, connectomics, systems biology, bioinformatics, computational biology and machine learning. The successful candidate will play a crucial role in the newly established Neuroscience Initiative at WPI (www.wpi.edu/+neuroscience) which promotes broader campus-wide cross-disciplinary activities in neuroscience. This initiative stimulates collaborations between research groups with different expertise including biology, computer science, biomedical engineering, data science, physics, chemistry, and behavior.

Salary, benefits, and start-up funding are competitive and commensurate with research experience and accomplishments. Qualified applicants should submit a detailed curriculum vitae, a statement of research and teaching objectives, and a list of three professional references. Review of applications will continue until the position is filled.

WPI is a highly selective, private technological university that values and encourages multidisciplinary collaboration and project-based learning. WPI was recently ranked #1 in the nation for "faculty who best combine research and teaching" (Wall Street Journal/Times Higher Ed, 2016). The university's campus is located one hour west of Boston in Worcester, Massachusetts, a thriving 21st century college city recognized as a growing hub of scientific and technological innovation. The WPI campus includes the Life Sciences and Bioengineering Center (LSBC) at Gateway Park (<https://www.wpi.edu/research/support/shared-facilities/life-sciences-bioengineering-center>), a state-of-the-art, multidisciplinary research facility that houses five departments, multiple research cores, and supports pre-clinical research. WPI offers Bachelor's, Master's and Ph.D. degrees in computer science, biology and biotechnology as well as interdisciplinary Ph.D. programs in bioinformatics and computational biology and data science. WPI and the University of Massachusetts Medical School are in close proximity and have a joint Ph.D. program that can support Ph.D. students with research opportunities at WPI and the NeuroNexus Institute (UMass Neuroscience Initiative).

To apply, visit: <http://apptrkr.com/1301592>

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making. A pre-employment criminal records check is required.

GREAT MINDS at WORK

Yale University

Tenure-Track Faculty Positions

The Yale Computer Science Department invites applications for multiple tenure-track faculty positions, at the levels of Assistant, Associate, or Full Professor, to start in the 2019-2020 academic year.

Qualified applicants in computer science are invited to apply, with a preference for Artificial Intelligence (generally construed, including classic AI, computer vision, human-computer interaction, natural language processing, robotics, machine learning, and related areas) and Systems (also generally construed, including operating systems, distributed systems, programming languages, networks, databases, security, computer architecture, and related areas). The department is slated to grow significantly over the next few years, and new hires will have the opportunity to influence future directions.

Applicants are expected to excel in both research and teaching. Yale provides many opportunities for research collaborations both inside and outside the Computer Science department.

Interdisciplinary work is encouraged, with Yale's world-class faculty in numerous computationally active fields. Yale faculty regularly have the opportunity to teach excellent students, both graduate and undergraduate. The department's home page can be found at <http://cpsc.yale.edu/>.

A candidate should hold (or expect to receive by the end of 2019) a Ph.D. in computer science or a related discipline. Applications submitted by December 15, 2018 will be given highest priority. Please apply at <http://apply.interfolio.com/55921>.

Yale University is an Affirmative Action/Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.

York University

Software Engineering (Assistant Professor, tenure-stream)

The Department of Electrical Engineering and Computer Science, York University, is seeking outstanding candidates in the area of Software Engineering for a tenure-stream position at the rank of Assistant Professor. Successful candidates will have a PhD in Software Engineering, or a closely related field, and a research record commensurate with rank. We are committed to building a diverse faculty able to mentor our diverse student body.

The appointment will commence on July 1, 2019, subject to budgetary approval.

For full position details, see <http://lassonde.yorku.ca/electrical-engineering-and-computer-science-assistant-professor-software-engineering>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>.

<http://lassonde.yorku.ca/new-faculty/>. A complete application includes a cover letter, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees.

Complete applications must be received by November 30, 2018.

York University is an Affirmative Action employer and strongly values diversity, including gender and sexual diversity, within its community. The Affirmative Action Program, which applies to women, Aboriginal people, visible minorities and people with disabilities, can be found at <http://acadjobs.info.yorku.ca/affirmative-action/> or by calling the AA office at 416.736.5713. All qualified candidates are encouraged to apply; however, Canadian Citizens, Permanent Residents and Indigenous peoples in Canada will be given priority.

York University

Canada Research Chair (Tier 2) in Engineering

The Lassonde School of Engineering

York University seeks to identify and nominate an excellent woman researcher for a Tier 2 Canada Research Chair in Engineering. We are seeking an exceptional scholar recognized as an emerging or established international leader working in any research area related to our engineering programs (Civil, Computer, Electrical, Geomatics,

Mechanical, Software, and Space Engineering). The successful candidate will be nominated for a Canada Research Chair with appointment at the level of Assistant or Associate Professor to commence July 1, 2019, subject to budgetary approval. You will have a strong dedication to research and teaching, a PhD in a field directly related to programs offered by one of our departments, and a minimum of three years of research or academic experience following completion of your doctoral degree.

For full position details, see <http://www.yorku.ca/acadjobs>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a signed cover letter expressing interest in nomination as a Canada Research Chair, outlining professional experience and research interests, and the rank for which you wish to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and names and contact information (full mailing address, phone number, e-mail address) of three people who have agreed to provide reference letters. Complete applications must be received by **December 31, 2018**.

York University is an Affirmative Action employer and strongly values diversity, including gender and sexual diversity, within its community. The Affirmative Action Program, which applies to women, Aboriginal people, visible minorities and people with disabilities, can be found at [\[acadjobs.info.yorku.ca/affirmative-action/\]\(http://acadjobs.info.yorku.ca/affirmative-action/\) or by calling the AA office at 416.736.5713. All qualified candidates are encouraged to apply; however, Canadian Citizens, Permanent Residents and Indigenous peoples in Canada will be given priority.](http://</p>
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York University

Computer Security (2 positions): (I) Assistant/Associate/Full Professor (tenure-stream); (I) Sessional Assistant Professor (three-year CLA)

The Department of Electrical Engineering and Computer Science, York University, is seeking outstanding candidates for two positions in Computer Security. One position is a tenure-stream professorial-stream position at open rank (Assistant, Associate or Full Professor). The other is a three-year contractually-limited professorial-stream appointment at the rank of Sessional Assistant Professor. Successful candidates will have a PhD in Computer Science, or a closely related field, and a research and teaching record commensurate with rank. Computer Security is a priority area for the Department as we continue to build a diverse faculty able to mentor our diverse student body. The appointments will commence on July 1, 2019, subject to budgetary approval.

For full position details, see <http://lassonde.yorku.ca/faculty-recruitment>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a

cover letter indicating the rank for which the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees. Complete applications must be received by November 30, 2018.

York University is an Affirmative Action employer and strongly values diversity, including gender and sexual diversity, within its community. The Affirmative Action Program, which applies to women, Aboriginal people, visible minorities and people with disabilities, can be found at <http://acadjobs.info.yorku.ca/affirmative-action/> or by calling the AA office at 416.736.5713. All qualified candidates are encouraged to apply; however, Canadian Citizens, Permanent Residents and Indigenous peoples in Canada will be given priority. Temporary entry for citizens of the U.S.A. and Mexico may apply per the provisions of the North American Free Trade Agreement (NAFTA) or citizens of Chile may apply per the provisions of the Canada Chile Free Trade Agreement (CCFTA).

York University

Computer Systems (Assistant or Associate Professor, tenure-stream)

The Department of Electrical Engineering and Computer Science, York University, is seeking outstanding candidates in the area of Computer Systems for a tenure-stream position at the rank of Assistant

or Associate Professor. Successful candidates will have a PhD in Computer Science, or a closely related field, and a research record commensurate with rank. We are committed to building a diverse faculty able to mentor our diverse student body.

The appointment will commence on July 1, 2019, subject to budgetary approval.

For full position details, see <http://lassonde.yorku.ca/electrical-engineering-and-computer-science-assistantassociate-professor-systems>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a cover letter indicating the rank for which the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees. Complete applications must be received by **November 30, 2018**.

York University is an Affirmative Action employer and strongly values diversity, including gender and sexual diversity, within its community. The Affirmative Action Program, which applies to women, Aboriginal people, visible minorities and people with disabilities, can be found at <http://acadjobs.info.yorku.ca/affirmative-action/> or by calling the AA office at 416.736.5713. All qualified candidates are encouraged to apply; however, Canadian Citizens, Permanent Residents and Indigenous peoples in Canada will be given priority.

York University

Computer Science (Associate or Full Professor, tenure-stream) - Markham Centre Campus

The Department of Electrical Engineering and Computer Science

York University, is seeking outstanding candidates in the area of Computer Science for a tenure-stream position at the rank of Associate or Full Professor. The successful candidate will have a PhD in Computer Science or a closely related field, and a research record commensurate with rank. York University is looking for a leader to help develop a new program within the field of computer science for the university's new campus in Markham, just outside of Toronto, Canada. You will have the opportunity to build an innovative, professionally relevant educational experience from the ground up. You will be based at the York University Markham Centre Campus when the new campus is operational (expected in Fall 2021). From July 1, 2019 until the opening of the Markham campus, you will teach and conduct research at the Keele campus while leading the development of our department's exciting new academic program for the new Markham campus. You will have proven strong research capability in any field of computer science, matched with proven student-oriented teaching and program development expertise including leveraging community involvement, experiential education, eLearning and evidence-based pedagogical innovations. We are committed to building

a diverse faculty able to mentor our diverse student body.

The appointment will commence on July 1, 2019, subject to budgetary approval.

For full position details, see <http://lassonde.yorku.ca/electrical-engineering-and-computer-science-assistantfull-professor-markham-campus>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a cover letter indicating the rank for which the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees. Complete applications must be received by **November 30, 2018**.

York University is an Affirmative Action employer and strongly values diversity, including gender and sexual diversity, within its community. The Affirmative Action Program, which applies to women, Aboriginal people, visible minorities and people with disabilities, can be found at <http://acadjobs.info.yorku.ca/affirmative-action/> or by calling the AA office at 416.736.5713. All qualified candidates are encouraged to apply; however, Canadian Citizens, Permanent Residents and Indigenous peoples in Canada will be given priority.