

COMPUTING RESEARCH NEWS



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

FEBRUARY 2019 Vol. 31 / No. 2



CRN At-A-Glance

New York Times Article Spotlights the High Demand for Computer Science Professors

Recently, *The New York Times* featured an article "The Hard Part of Computer Science? Getting Into Class." The story explores how the increasing student demand for computer science courses is outstripping the supply of professors. The article cites CRA Taulbee data and quotes several current and former CRA board members.

See page 2 for full article.

2019 Nominees for CRA Board; CRA Board Elections in Progress

CRA is pleased to announce the 2019 Election Committee's slate of nominees for the CRA Board. Ballots have been distributed to all CRA department chairs and lab directors. Each will have one vote for each open slot on the board. Completed ballots are due February 27.

See page 3 for full article.

Jennifer Rexford and Westley Weimer Receive the 2019 CRA-E Undergraduate Research Faculty Mentoring Award

These outstanding individuals are being recognized for providing exceptional mentorship, undergraduate research experiences, and, in parallel, guidance on admission and matriculation of their students to research-focused graduate programs in computing.

See page 4 for full article.

In This Issue

- 2 *New York Times* Article Spotlights the High Demand for Computer Science Professors
- 3 2019 Nominees for CRA Board; CRA Board Elections in Progress
- 4 Jennifer Rexford and Westley Weimer Receive the 2019 CRA-E Undergraduate Research Faculty Mentoring Award
- 6 CCC Launches the "Catalyzing Computing" Podcast
- 7 CCC Response to NITRD RFI to Update the 2016 Federal Cybersecurity Research and Development Strategic Plan
- 8 Interdisciplinary Research Challenges in Computer Systems (NSF Workshop Report)
- 9 Feeling Like an Outsider in Computing? You Are not Alone!
- 11 Expanding the Pipeline - The Participation and Challenges of Community College Students in Undergraduate Research
- 14 2018 Grad Cohort for Women Attendees Share Reflections in Short Video
- 15 Former Board Member Margo Seltzer Elected to National Academy of Engineering
- 16 Call for Nominations: NSF Assistant Director for Computer and Information Science and Engineering
- 17 Microsoft Research Ad
- 18 Board Members, Staff, Column Editor
- 19 Professional Opportunities

New York Times Article Spotlights the High Demand for Computer Science Professors



Recently, *The New York Times* featured an article "[The Hard Part of Computer Science? Getting Into Class.](#)" The story explores how the increasing student demand for computer science courses is outstripping the supply of professors. The article cites CRA Taulbee Survey data and quotes several current and former CRA board members.

On campuses across the country, from major state universities to small private colleges, the surge in student demand for computer science courses is far outstripping the supply of professors, as the tech industry snaps up talent. At some schools, the shortage is creating an undergraduate divide of computing haves and have-nots – potentially narrowing a path for some minority and female students to an industry that has struggled with diversity.

The number of undergraduates majoring in the subject more than doubled from 2013 to 2017, to over 106,000, while tenure-track faculty ranks rose about 17 percent, according to the Computing Research Association, a nonprofit that gathers data from about 200 universities.

Former CRA board member Maria Klawe commented on its impact on underrepresented groups in computing:

"When you put any kind of barrier in place in terms of access to computer science majors, it tends to reduce the number of women and students of color in the program," said [Maria Klawe, president](#) of Harvey Mudd College, a private college in Claremont, Calif., that has become [a national model for diversity in computer science.](#)

Also, former CRA board member Tracy Camp described how her university is managing the situation:

Likewise, [Tracy Camp, head of the computer science](#) department at the Colorado School of Mines – a public university where the number of computer science majors has more than doubled in recent years – said she was determined not to put in deterrents like capping the major. Instead, she said, class sizes had sharply increased.

"I don't want to tell a student already at Mines, 'You can't major in computer science,'" Professor Camp said.

Camp also chaired the CRA Enrollments Committee, which published the [Generation CS](#) report on the computer science undergraduate enrollments surge that has existed since 2006. The report details the results of an enrollment survey designed to measure, assess, and better understand enrollment trends and their impact on computer science units, diversity, and more. The National Academies also published a report, "[Assessing and Responding to the Growth of Computer Science Undergraduate Enrollments](#)".

In the *New York Times* article, CRA Board Secretary Greg Morrisett described how academia faces steep competition with industry for talent:

In addition, tech giants and other companies have been poaching professors and hiring new Ph.D.s.

"I had a faculty member who came in with an offer from a bank, and they

were told that, with their expertise, the starting salary would be \$1 million to \$4 million," said [Greg Morrisett, dean of computing](#) and information science at Cornell University. "There's no way a university, no matter how well off, could compete with that."

Finally, former CRA board member Ed Lazowska shared how joint appointments can offer a solution:

To stem the tide of professors decamping for industry, universities are turning to dual appointments. Last year Amazon hired [Siddhartha Srinivasa, a world-renowned robotics expert](#) who is a computer science professor at the University of Washington. He now splits his time between the two.

[Ed Lazowska, a computer science professor](#) at the university, said such arrangements gave faculty members access to resources, like giant computing power and tremendous data sets, that could help further their research and benefit their students.

"What better place could there be than Amazon to put your robot to work?" Professor Lazowska said.

Click [here](#) to view the full *New York Times* article. Visit the [CRA website](#) for more information on the [Taulbee Survey](#) and the [Generation CS](#) report. In addition, CRA's Data Buddies Project collects longitudinal data on students, which can be used to gauge the impact of increasing demands on computing courses and faculty. Visit the [CERP website](#) to learn more about how to get involved with The Data Buddies Project.

2019 Nominees for CRA Board; CRA Board Elections in Progress



CRA is pleased to announce the 2019 Election Committee's slate of nominees for the CRA board of directors:

ACADEMIC (3 OPENINGS)

Marsha Chechik

(University of Toronto)

Lorrie Cranor

(Carnegie Mellon University)

Marti Hearst

(University of California, Berkeley)

Keshav Pingali

(University of Texas at Austin)

Penny Rheingans*

(University of Maine)

Shashi Shekhar*

(University of Minnesota)

INDUSTRY (3 OPENINGS)

C. Raymond Perrault

(SRI International)

Divesh Srivastava

(AT&T Labs-Research)

Jaime Teevan*

(Microsoft Research)

Marvin Theimer

(Amazon Web Services)

Haixun Wang

(WeWork Corporation)

*Denotes current board members.

CRA Board Elections in Progress

Ballots have been distributed to all CRA department chairs and lab directors. Each will have one vote for each open slot on the board. Completed ballots are due February 27.

Jennifer Rexford and Westley Weimer Receive the 2019 CRA-E Undergraduate Research Faculty Mentoring Award



The **Education Committee of the Computing Research Association** (CRA-E) is proud to announce two recipients of the 2019 **CRA-E Undergraduate Research Faculty Mentoring Award**: Jennifer Rexford from Princeton University and Westley Weimer from the University of Michigan.

These outstanding individuals are being recognized for providing exceptional mentorship, undergraduate research experiences, and, in parallel, guidance on admission and matriculation of their students to research-focused graduate programs in computing.

The 2019 selection committee includes Pat Morreale (chair, Kean University), Eric Aaron (Colby College), Chandra Krintz (University of California, Santa Barbara), and Denys Poshyvanyk (William & Mary).

Jennifer Rexford, Ph.D., is the Gordon Y.S. Wu Professor and chair of the Department of Computer Science at Princeton University, an ACM Fellow, and a member of the National Academy of Engineering. She is a CCC Council member and former CRA board member.

Rexford began her career at AT&T Research before joining Princeton University. In addition to her distinguished research

career, she has actively mentored students, particularly undergraduates. Rexford established events and spaces to motivate undergraduates as researchers, and to support members of traditionally underrepresented groups in CS. In 2010, she mentored students who established a women in computer science group (PWICS) in the department, and the group is still active.

With a smaller pool of undergraduate students, Rexford advises students both in single semester independent projects, as well as theses. She regularly publishes with undergraduate mentees, and there are multiple papers on which undergraduates were the first author. Rexford has mentored 23 undergraduate students in 10 years, half of who are women, and her mentorship has led to student placement at top graduate schools. She has mentored students who have received recognition in the CRA Outstanding Undergraduate Researcher Awards as awardee, runner-up, and honorable mention, and three of her students received NSF Graduate Research Fellowships. Her students have matriculated in Ph.D. programs at MIT, University of California, Berkeley, Stanford University, and University of Washington.



Jennifer Rexford

Princeton University



Rexford and Weimer (*continued*)

The nomination letter noted that Rexford provides "office space and a support network of helpful graduate students and postdocs to conduct nonjudgmental discussions. Despite being the Department Chair of Computer Science at Princeton, she still makes time to meet personally with her undergraduate advisees, often taking out more than an hour every week for each advisee. Mentees thrive in this supportive environment, becoming highly confident in their own skin...."

Westley Weimer, Ph.D., is a professor in the Department of Electrical Engineering and Computer Science at the University of Michigan. He is also an ACM Senior Member and a NSF CAREER awardee.

Each year, Weimer includes undergraduate students in his research group and works with them in a focused approach, providing mentoring and support in a manner similar to that given to a Ph.D. student. He has had 18 mentees in 10 years, and is known for his empathy in mentoring diverse student populations. His

undergraduate mentees are often first authors on the papers that they co-author with Weimer.

His undergraduate mentees are trained on the basics of how to conduct research and work on projects, as well as communicating research results and impact. In his approach, Weimer takes the time to fully develop students, leading one student to state "he has had more impact on my career than any other person." Several noted that the skills learned by students mentored by Weimer allowed the students to be more successful, sooner, in their Ph.D. programs as the expertise gained in "think[ing] about research: how to explore, develop, and communicate ideas" was invaluable. The one-to-one mentoring provided by Weimer to his undergraduate students is supported by the full participation of the undergraduates in research presentations, meetings, and lab activities along with graduate students. His students have matriculated in Ph.D. programs at Cornell University, Stanford University, University of Wisconsin, and University of Michigan.



Westley Weimer

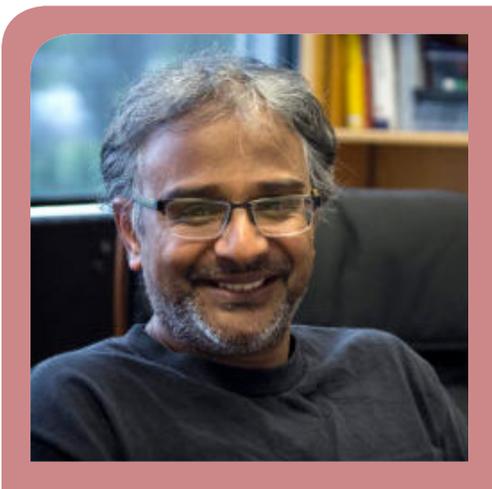
University of Michigan

CCC Launches the “Catalyzing Computing” Podcast



By Khari Douglas, CCC Program Associate

The **Computing Community Consortium (CCC)** has launched the “Catalyzing Computing” podcast, which will focus on topics of interest within the computing research community. The podcast is hosted by CCC Program Associate **Khari Douglas** and will feature interviews with researchers and policy makers about their background and experiences in the computing community. The podcast will also offer recaps of **visioning workshops** and other events hosted by the CCC. If you want to learn about some of the computing community’s most influential members or keep tabs on the latest areas of interest, then this is the podcast for you!



Suresh Venkatasubramanian



Khari Douglas

The first episode of Catalyzing Computing features an interview of CCC Council Member Suresh

Venkatasubramanian. Suresh is a professor at the University of Utah with a background in algorithms and computational geometry, as well as data mining and machine learning. In this episode, Suresh talks about growing up in India, his grad school trajectory, career choices, and his current research interest in algorithmic fairness.

You can stream or download the podcast on Soundcloud now. Be sure to like and follow the CCC on Soundcloud to stay informed about future releases. The podcast will be available on iTunes and Spotify soon.

If you listen to the podcast, please take a moment to complete this **listener survey** – this survey will help us learn more about you and better tailor the show to the interests of our listeners.

CCC Response to NITRD RFI to Update the 2016 Federal Cybersecurity Research and Development Strategic Plan



CCC

Computing Community Consortium
Catalyst

By Ann Drobni, CCC Director

The **Networking and Information Technology Research and Development (NITRD) National Coordination Office (NCO)**, on behalf of Federal agencies and the **NITRD Cybersecurity and Information Assurance Integrity Working Group**, put out a **Request for Information (RFI)** from the public on the update to the **2016 Federal Cybersecurity Research and Development Strategic Plan**.

The **Computing Community Consortium (CCC)** responded to the RFI on behalf of the community. An overarching theme of the CCC response is that systems are now ubiquitous, and need to be considered as socio-technical systems that must be secured, not simply technical systems.

One of the key recommendations for research in new areas, that was not included in the 2016 plan, is the realization that



the “one key vulnerability that has become prominent recently is the ability to rapidly spread misinformation and disinformation throughout computing systems with the specific goals ranging from manipulating opinion to leading to destructive actions (including inciting riots, as has happened in India, to potential interference in the election process, including

the recent Brazilian presidential election).” Combatting this vulnerability will require multi-disciplinary research across agencies and expanded education to ensure the best minds can tackle the problems from the many different viewpoints.

The CCC hopes that the NITRD NCO and Interagency Working Group will view the full recommendations in the response as valuable input from the computing research community that can be used to update the Strategic Plan.

Interdisciplinary Research Challenges in Computer Systems (NSF Workshop Report)



By Mark D. Hill and Josep Torrellas

All too many of us have experienced how academia's reward structure seems to favor small projects led by one principal investigator in the jurisdiction of a sub-discipline within a larger discipline. Moreover, the current stability of universities tends to slow the formation of new departments for new disciplines.

In contrast, the problems and opportunities that our society faces in education, commerce, science, and government do not

was organized as a day of talks open to everyone, which attracted about 150 researchers, and a second day of brainstorming and writing by the invitees.

In particular, participants highlighted four challenges:

1. Developing the components for a usable planet-scale Internet of Things (IoT), with provably energy-efficient devices.
2. Rethinking the hardware-software security contract in the age of AI.

might have at research_challenges@cs.illinois.edu. Grand challenges like these can be funded by NSF Expeditions in Computing: **Last year's call** and **ten-year retrospective**.

Let me close with a quote from Steve Jobs on making connections and creativity:

Creativity is just connecting things. When you ask creative people how they did something, they feel a little guilty because they didn't really do it, they just saw something. It seemed obvious to them after a while. That's because they were able to connect experiences they've had and synthesize new things. And the reason they were able to do that was that they've had more experiences or they have thought more about their experiences than other people.

Unfortunately, that's too rare a commodity. A lot of people in our industry haven't had very diverse experiences. So they don't have enough dots to connect, and they end up with very linear solutions without a broad perspective on the problem. The broader one's understanding of the human experience, the better design we will have.

Connections are inherently interdisciplinary.

"The broader one's understanding of the human experience, the better design we will have."

respect academia's boundaries and can require expertise and progress from many aspects of knowledge. It is for the bold to tackle these!

To this end, NSF commissioned a few researchers from multiple areas to organize a **workshop last spring** to identify important interdisciplinary research challenges for the 2020s. They **recently released their report**.

A community-wide call for white papers was issued, and about fifty of the most exciting interdisciplinary visions were selected for discussion. The workshop

3. Making AI a truly dependable technology that is usable by all the citizens in all settings.
4. Developing solutions to tackle extreme complexity, possibly based on formal methods.

The report was presented at the NSF CSR PI meeting in October 2018.

Consider examining the report to learn more or—even better—develop your own grand challenges in collaboration with experts in other disciplines. The report authors would value any feedback you

Feeling Like an Outsider in Computing? You Are not Alone!

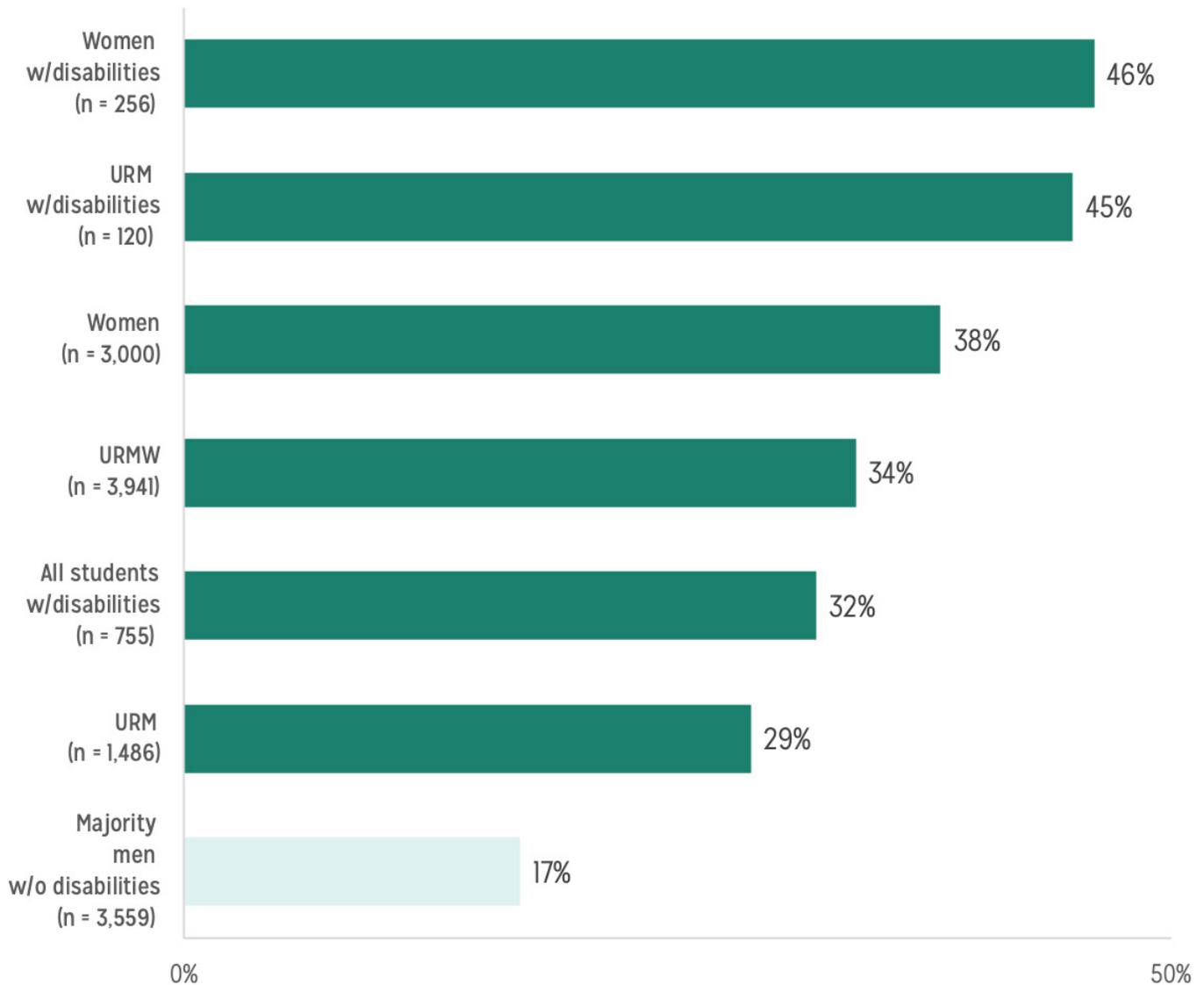


CERP

Computing Research Association
Evaluation

By *Burçin Tamer, Director of CERP*

I feel like an outsider in the computing community



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

Underrepresented minorities (URM) include students who identify as Black/African American, of Hispanic or Latino descent, Native Hawaiian/Pacific Islander, or multiracial in which at least one of their multiracial identities includes the earlier listed racial/ethnic groups. URMW includes students who are URM and/or identify as woman. Majority men includes White and Asian students who identify as man. Disability status is determined based on students' responses to a question asking whether they have a disability or not.

All underrepresented groups are statistically significantly different than majority men w/o disabilities based on z-tests and .05 significance level.



Outsider in Computing (*continued*)

Underrepresented students in computing may find themselves isolated and feel like they don't belong in their field. This graphic shows the percentage of undergraduate students who reported feeling like an outsider in computing by their gender, race/ethnicity, and/or disability status. Significantly higher percentages of underrepresented students (29% and above) reported feeling like an outsider in computing than majority men with no disabilities (17%). This lack of a sense of belonging was highest among the students with disabilities who are women or racial/ethnic minorities (45-46%).

Survey data presented here supports existing research on sense of belonging. Underrepresented students tend to have a lower sense of belonging to the field (e.g., feel more isolated). The lack of a sense of belonging, in turn, contributes to lower persistence levels. Higher drop-out rates among students who are already underrepresented in the field is bound to perpetuate the lack of diversity in the computing workforce. This result highlights the importance of interventions that focus on increasing cohort formation and mentoring of underrepresented students, since **these interventions are likely to help students persist in their field.**

Notes:

The survey data used in this chart were collected during the fall 2017 by CERP via the [The Data Buddies Project](#). The sample includes 9,591 undergraduate students majoring in a computing field. Students were asked to rate their level of agreement with the statement "I feel like an outsider in computing" on a scale of strongly disagree (1) to strongly agree (5). The graphic shows the percentage of students who agree or strongly agree with this statement.

The sample includes 9,591 undergraduate students majoring in a computing field. Students were asked to rate their level of agreement with the statement "I feel like an outsider in computing" on a scale of strongly disagree (1) to strongly agree (5). The graphic shows percentage of students who agree or strongly agree with this statement.

Underrepresented minorities include students who identify as Black/African American, of Hispanic or Latino descent, Native Hawaiian/Pacific Islander, or multiracial in which at least one of their multiracial identities includes the earlier listed racial/ethnic groups. URMW includes students who are URM and/or identify as woman. Majority men includes White and Asian students who identify as man. Disability status is determined based on students' responses to a question asking whether they have a disability or not. Further intersections of the identity groups presented here were omitted due to shrinking sample sizes, which reduces the reliability of the results.

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, DUE-1431112, and DUE 1821136). 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.

Expanding the Pipeline - The Participation and Challenges of Community College Students in Undergraduate Research



CRA-W

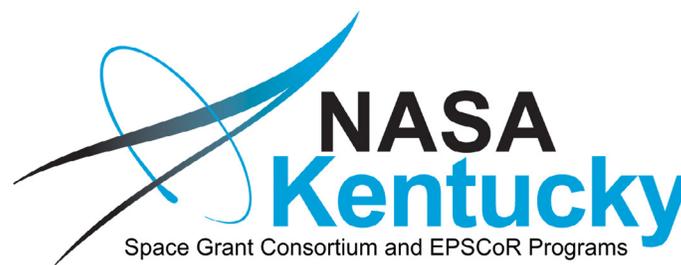
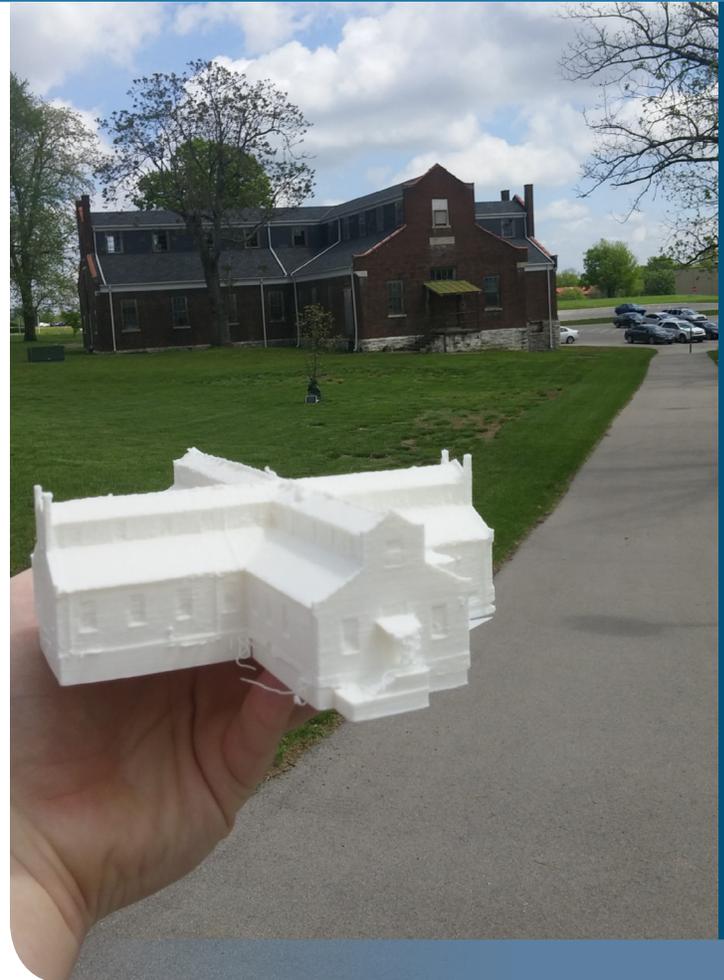
Computing Research Association
Women

By Melanie Williamson

Convention tells us that research involves selecting a topic, reviewing literature, developing a framework, refining and defining your research question, developing a design, collecting and analyzing data, and drawing conclusions. However, at a community college this formality cannot always be used as a rule, but as a guideline for developing a realistic, learning opportunity. Community college participation in undergraduate research is an important part of education, but can easily fall by the wayside to address the life challenges often faced by its students. However, given the opportunity to participate, research can be a rewarding and valuable skill that should be afforded to more students.

Bluegrass Community & Technical College participated in a faculty mentored team project grant (no. NNX14AR11A) through the Kentucky Space Grant Consortium, which is a partnership between Kentucky and NASA. I co-led the team project, along with my colleague Cindy Tucker and a group of computer and information technology students in the research, development, and deployment of mobile applications for documenting grant work and in a second project related to drone technologies.

Both are topics that our college had limited curriculum exposure to at the time and would require students conduct research and design and develop their own projects with faculty advisors as mentors. The most rewarding project involved students using drone models to experiment with payloads for transporting materials and to explore ways that drones could be of use to the college. This second endeavor would result in aerial photography of historical buildings on our campus using a drone equipped with a GoPro camera, generating 3D renderings of the buildings from the photos, and culminating in 3D printing the models to scale.



Though the projects themselves were involved, and would evolve over time, the real growth was seen in how students learned to develop their own ideas, ask the right questions, and work as a team to complete their research. Watching the students become

independent, critical thinkers and learn to work as a cohesive group created students who would be better prepared for transferring to a four-year school or for directly entering the workforce. Watching the students go from wanting every requirement defined for them to developing ideas and being able to confidently present their findings



Expanding the Pipeline *(continued)*

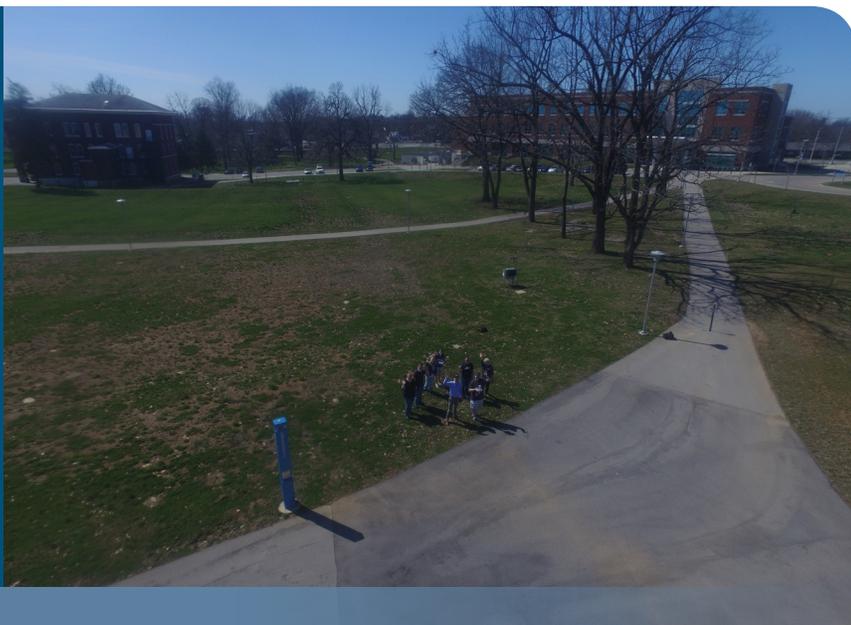
in front of groups, at state and regional conferences, was an unexpected, yet proud, result of the experience. The students were not only more confident in their ability to present before a group, but were excited to share what they had developed and learned. As a result of the research project, students received scholarships and were hired upon graduation, with one student being recruited based on the drone research that had been completed in the NASA project. Other students would continue to grow, with one quickly

learning that their skillset now included the ability to clearly explain material, which lead this student to become a primary tutor for our computing program. By being involved in this research project, it became clear to me that research conducted at a community college may not always follow traditional methodologies, but it does result in positive outcomes, with one of the biggest results being seeing students grow academically and evolve as they move forward in pursuit of their next steps.

Community College Students Face Unique Challenges

As you can expect, there are unique challenges for community college students interested in research. Community college students often take classes on a part-time basis, have a full-time job, and support a family. While some community college students are traditional-aged college students, many are non-traditional older students. Some started at four-year schools only to feel overwhelmed. Others are first-generation college students with little knowledge of what college is like, and another set of students enroll with the initial challenge of having to complete multiple developmental classes prior to taking courses in their declared major. The student population is also quite diverse. The diversity can be very positive for research as there is a rich pool of participants from which to recruit, but this diversity also presents a challenge with getting commitments from students who have so many competing demands on their time and a pressing need to financially support their families.

Within a community college, it can be challenging to identify potential student researchers early in their academic career. The challenge is identifying those students who are right for research as not every student will be interested in or have the aptitude to participate in research projects. By their second year, our full-time students only have two remaining semesters to conduct research. The challenge is, How do





Expanding the Pipeline *(continued)*

you recruit students when it is likely that they will have one year to commit to research? Furthermore, how do you pick a research project that students can make progress on while they are still learning what research is and how it is done? The easy answer is that the projects must be smaller and more focused. The projects would likely need to be continued by the incoming or continuing students. One way to guarantee continuity is to ensure that our part-time students be a part of the research. Very often they will be afforded more time at the community college to participate in research, but the challenge is that these are often those same students that are overcommitted outside of school. These part-time students are also often members of our non-traditional population, which often means that they may add an additional dynamic to a research project with their life experiences. The group of students that worked together on the NASA projects were comprised of traditional and non-traditional students and were 50% male and 50% female, something that we felt was important to keeping the group gender balanced.

Funding Is an Always-Present Concern

The diversity of the community college population and the limited time with which to connect with students are challenges, but both are factors that faculty are familiar with and address daily. The largest issue is funding. First and foremost, community colleges cannot compete with the larger schools when it comes to funding requests based on the results they can generate from

research. The size, complexity, and time required to do research full projects is just not realistic for community college faculty and students without additional outside support. With limits in equipment, space, and time, it becomes necessary to scale back projects and, as a consequence, these projects are less competitive for grants. This funding would support the additional efforts of students that will keep them from their everyday obligations and for faculty to support research and develop future researchers. For many students this will allow them to justify the time they are taking to grow at the expense of time they are spending away from their family.

There are opportunities for research funding for community colleges, but perhaps the bigger opportunity is to partner with four-year institutions. Such a partnership could create a possibility that students participate in research at both institutions, with the four-year research conducted as a summer project, and the faculty at partnering institutions work together to both develop and ensure continuity in research as we collectively help develop future researchers.

As Brent D. Cedja has written, "Research is teaching." Community colleges and their faculty have the primary purpose to teach, but that does not mean that should be where their involvement stops in the introduction to and development of students to research. Through teaching, students learn to be active learners, ask questions, and engage in the discussion in the class.

About the Author

Melanie Williamson is an assistant dean and professor of computer and information technologies at Bluegrass Community & Technical College in Lexington, KY.

2018 Grad Cohort for Women Attendees Share Reflections in Short Video



CRA-W

Computing Research Association
Women



Find out what participants thought about the [2018 CRA-W Grad Cohort for Women](#) in this recently released [video](#). In testimonials collected at the end of the workshop, a resounding theme was the participants' renewed motivation to complete their Ph.D.

On April 13-14, 2018, more than 400 women graduate students in computing gathered in San Francisco, CA, for the CRA-W Grad Cohort Workshop for Women. The workshop welcomed women graduate students in their first three years of graduate school into the community of computing researchers and professionals. Throughout the two-day workshop, professional connections were made, new friendships were formed, and mentoring relationships with senior researchers were established.

Women are underrepresented at all stages of the computing research career pipeline, and that is why events like the CRA-W Graduate Cohort for Women, which brings together

those who may feel isolated, are crucial to supporting the creation of a diverse pipeline of the computing field. CRA-W organizes this workshop as part of its mission to increase the success and participation of women in computing research. The workshop is generously funded by sponsors from industry, academia, the National Science Foundation, and the computing community.

2019 Workshop

The 2019 CRA-W Grad Cohort for Women will be held on April 12-13 in Chicago, IL.

Former Board Member Margo Seltzer Elected to National Academy of Engineering



Recently, the National Academy of Engineering (NAE) elected 86 new members and 18 foreign members. This brings the total U.S. membership to 2,297 and the number of foreign members to 272. Former CRA Board Member Margo Seltzer was among those elected. During her time on the board, she served as the USENIX representative and received the 2017 CRA-E Undergraduate Research Faculty Mentoring Award. She was also a CCC executive committee member.

Seltzer, Margo I., Herchel Smith Professor of Computer Science, School of Engineering and Applied Science, Harvard University, Cambridge, Mass. *“For engineering contributions to databases, file systems, and operating systems.”*

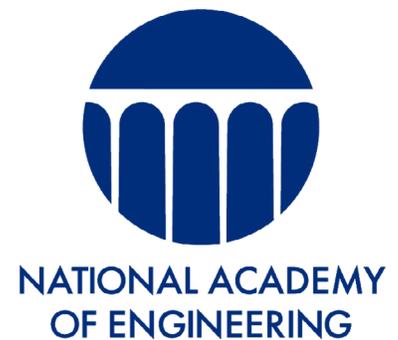
From the NAE press release:

Election to the National Academy of Engineering is among the highest professional distinctions accorded to an engineer. Academy membership honors those who have made outstanding contributions to “engineering research, practice, or education, including, where appropriate, significant contributions to the engineering literature” and to “the pioneering of new and developing fields of technology, making major advancements in traditional fields of engineering, or developing/implementing innovative approaches to engineering education.”

Individuals in the newly elected class will be formally inducted during a ceremony at the NAE’s annual meeting in Washington, D.C., on Oct. 6, 2019. A list of the newly elected members and foreign members follows, with their primary affiliations at the time of election and a brief statement of their principal engineering accomplishments.



Margo Seltzer



Call for Nominations: NSF Assistant Director for Computer and Information Science and Engineering



By France Córdoba, NSF Director

Dear Colleague:

The National Science Foundation is initiating a national search for the Assistant Director for Computer and Information Science and Engineering (CISE). We seek your assistance in the identification of visionary candidates to lead the Directorate during the coming years. Dr. James Kurose has served in this position with distinction since January 2015. He has worked with his NSF colleagues on new initiatives in Harnessing the Data Revolution and other NSF Big Ideas; and with the Office of Science and Technology Policy (OSTP), other Federal agencies, industry partners, and the academic research community on new initiatives in Advanced Wireless Communications, Artificial Intelligence, Computer Science for All, Strategic Computing, and Smart and Connected Communities. Dr. Kurose has also overseen the Office of Advanced Cyberinfrastructure (OAC) and the CISE Directorate in cyberinfrastructure initiatives that have included Leadership-Class Computing, enhanced access to cloud computing, and more. The next Assistant Director will have similar opportunities to shape future research and education in the computer and information sciences, to ensure CISE is a key participant in NSF's expanding efforts to support convergence research, and to sustain OAC's leadership of advanced cyberinfrastructure for the broader science and engineering enterprise.

The Assistant Director, CISE, manages a budget of approximately \$960M and a portfolio comprising the various fields of the computer and information sciences, including the Division of Computing and Communication Foundations (CCF), the Division of Computer and Network Systems (CNS), and the Division of Information and Intelligent Systems (IIS), as well as investments in advanced cyberinfrastructure through OAC. Attached is a PDF version of this message, which includes an information sheet summarizing the Directorate's activities and the responsibilities of the position, together with the criteria that will be used in the search. Employment may be on a temporary or permanent basis in the Federal Service or by temporary assignment under provisions of the Intergovernmental Personnel Act.

We are very pleased to announce that Dr. Vinton Cerf, Vice President and Chief Internet Evangelist at Google and past member of the National Science



Board, will chair the Search Advisory Committee. Both the Committee and I seek your help in identifying candidates with the following qualifications: outstanding leadership; a deep sense of scholarship; and a grasp of the issues facing the computer and information sciences, especially in the areas of education and fundamental research, as well as in advanced cyberinfrastructure. Candidates must also serve effectively as a key member of the NSF senior management team, teaming with the NSF Director and other Assistant Directors on cross-directorate activities and interactions with the executive and legislative branches of government. When opportunities arise, the candidate must be able to communicate effectively with leaders of business and industry as well as the philanthropic community. Recommendations of individuals from any sector – academic, industry, or government – are welcome.

Please send your recommendations, including any supporting information which you might be able to provide, to the AD/CISE Screening Committee via e-mail (cisesrch@nsf.gov) or at the following address: National Science Foundation, Office of the Director, 2415 Eisenhower Avenue, Alexandria, VA, 22314. We would appreciate receiving your recommendations by April 5, 2019.

Sincerely,

/// signed ///

France A. Córdoba
Director
National Science Foundation
2415 Eisenhower Avenue, Suite 19100
Alexandria, VA 22314



From the everyday to the exceptional, Microsoft Research pushes boundaries to help you achieve more.

microsoft.com/research



CRA Board of Directors

James Allan, University of Massachusetts, Amherst
Nancy Amato, University of Illinois, Urbana-Champaign
Ronald Brachman, Cornell Tech
Carla Brodley, Northeastern University
Greg Byrd, North Carolina State University
Susan Davidson, University of Pennsylvania
Eric de Sturler, Virginia Tech
David Ebert, Purdue University
Stephanie Forrest, Arizona State University
Michael Franklin, University of Chicago
Dan Grossman, University of Washington
Brent Hailpern, IBM Research – Almaden
Mary Hall, University of Utah
Susanne Hambrusch, Purdue University
Kim Hazelwood, Facebook
Mark Hill, University of Wisconsin-Madison
Julia Hirschberg, Columbia University
Ayanna Howard, Georgia Tech
Charles Isbell, Georgia Tech
Chris Johnson, University of Utah
Kate Larson, University of Waterloo
Ran Libeskind-Hadas, Harvey Mudd College
Kathryn McKinley, Google
Greg Morrisett, Cornell University
Brian Noble, University of Michigan
Rachel Pottinger, University of British Columbia
Chris Ramming, VMWare
Penny Rheingans, University of Maine
Barbara Ryder, Virginia Tech
Vivek Sarkar, Georgia Tech
Andrew Sears, Penn State University
Shashi Shekhar, University of Minnesota
Jaime Teevan, Microsoft/University of Washington
Josep Torrellas, University of Illinois at Urbana-Champaign
Min Wang, Google
Ellen Zegura, Georgia Tech

CRA Board Officers

Susan Davidson, Chair, University of Pennsylvania
Susanne Hambrusch, Vice Chair, Purdue University
Ronald Brachman, Treasurer, Cornell Tech
Greg Morrisett, Secretary, Cornell University

CRA Staff

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

Column Editor

Expanding the Pipeline
Patty Lopez, Intel

Allegheny College

Assistant Professor in Digital Humanities/ Computer Science

Allegheny College invites applications for a full-time, tenure-track position at the intersection of the computer sciences and the arts, humanities, and/or social sciences, beginning in August 2019. Ideal candidates will have a Ph.D. or MFA or commensurate industry experience in information technologies, with demonstrated success teaching introductory computer science courses and an active interdisciplinary research agenda.

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

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

The successful candidate will join an entrepreneurial and vibrant community composed of dedicated teachers, active researchers, and diverse learners, and contribute to an innovative and recently enhanced computer science curriculum and the Integrative Informatics program. Allegheny faculty, students, and alumni have strong connections to top-tier academic institutions and industry-leading corporations and we are located near Pittsburgh, a city recently described as having a viable path to becoming one of America's leading hubs for technology startups.

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

religion, gender, gender identity, gender expression, sexual orientation, age, disability, or national origin.

Amherst College Science Center

Professor of Computer Science (Open Rank)

The Amherst College Department of Computer Science invites applications for a full-time tenured or tenure-track position, beginning July 1, 2019. This is an open-rank search. Candidates in all areas of computer science are encouraged to apply. Within the last decade, Amherst College has profoundly transformed its student body in terms of socioeconomic status, ethnicity, race, and nationality. Today, nearly one-quarter of Amherst's students are Pell Grant recipients; 45 percent of our students identify as domestic students of color; and 10 percent of our students are international students. Our expectation is that the successful candidate will excel at teaching and mentoring students who are broadly diverse with regard to race, ethnicity, socioeconomic status, gender, nationality, sexual orientation, and religion.

The successful candidate must have a Ph.D. in computer science in hand or have fulfilled all requirements for the degree by the start of the appointment. An appointment at the assistant, or possibly, the associate professor rank, will be tenure track. A senior appointment would be with tenure. Any appointment with tenure will be contingent upon a

tenure review. We seek a colleague who is committed to excellence in undergraduate computer science education and in research, who is enthusiastic about teaching courses in a variety of areas, and who is excited about involving undergraduate students in research projects. The teaching responsibility is two courses each semester. The successful candidate will also supervise senior honors projects.

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

A cover letter, curriculum vitae and three confidential letters of recommendation should be submitted electronically to <https://apply.interfolio.com/54964>. In the cover letter, please briefly describe your current research agenda; what would be attractive to you about teaching at a liberal arts college; and what background, experience, or interests are likely to make you a strong teacher of a diverse range of Amherst College students. Applications received by February 1, 2019, will be assured of full consideration. Review

of applications will continue until the position is filled.

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

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

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.

Baidu USA

Postdoctoral Researcher - Cognitive Computing Lab (CCL)

Co-located in Silicon Valley, Seattle and Beijing, Baidu Research brings together top talents from around the world to focus on future-looking fundamental research in artificial intelligence. At Baidu Research, we are developing cutting-edge research to better harness big data. We work extensively on predictive analytics, aiming to generate actionable and testable hypotheses based on large amounts of data and previous experiences. Data-driven decision making and automation are being utilized to solve significant challenges faced by

our society at unprecedented scale. Our mission is to advance understanding of the principles and use of data science to solve important societal problems.

Baidu Research CCL invites applications for a number of Postdoctoral Fellowships, to conduct original research in computer science and statistics. Areas of research include statistical learning, deep nets, theoretical computer science, security, natural language processing, computer vision, knowledge graphs, etc. This fellowship should be an excellent opportunity for outstanding fresh PhD graduates who hope to spend one or two years in an industry research lab before going to academia. Those who already have faculty offers are also welcome to apply if they can make proper arrangements with their universities. Positions for research internships and research scientists are also available.

Qualifications:

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

Compensation: Highly competitive

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

Boston College

Postdoctoral Researcher

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

Required minimum qualifications:

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

Additional preferred qualifications:

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

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

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

The Chinese University of Hong Kong

*Applications are invited for:-
Department of Computer Science and Engineering
Professors / Associate Professors / Assistant Professors
(Ref. 180002NK)*

The Department of Computer Science and Engineering, Faculty of Engineering at The Chinese University of Hong Kong is vigorously hiring faculty members in Computer Science and Computer Engineering to pursue new strategic research initiatives and to fill up vacant positions within current strengths.

Applicants should have (i) a PhD degree; and (ii) a good scholarly record demonstrating (potential for) teaching and research excellence. Candidates of all levels are encouraged to apply. Applicants in the following areas are particularly welcome:

For Computer Science:

- Artificial intelligence and machine learning
- Bioinformatics
- Computer system security or cybersecurity

- Data analytics or data science
- Image processing, computer graphics, AR/VR

For Computer Engineering:

- Cyber-physical systems and Internet of things
- Energy efficient acceleration for Recognition, Mining and Synthesis (RMS) applications
- Hardware and embedded security
- Smart hardware for human machine interaction

Successful candidates will be expected to (a) develop a significant independent research programme with external funding; (b) supervise graduate students; (c) teach both undergraduate and postgraduate courses; and (d) perform service duties for the Department and the University.

Appointments will normally be made on contract basis for up to three years initially commencing August 2019, which, subject to performance and mutual agreement, may lead to longer-term appointment or substantiation later. Senior positions with substantiation can also be considered for outstanding candidates with proven records. The exact rank and start date will be negotiated with the successful applicants.

For further information about the Department of Computer Science and Engineering, please visit <http://www.cse.cuhk.edu.hk>.

Applications will be accepted until the posts are filled.

Application Procedure

Applicants please upload full CV, copies of academic credentials, publication list with abstracts of selected published papers, details of courses taught and evaluation results (if available), a research plan, a teaching statement, together with names, addresses and fax numbers/e-mail addresses of at least three referees to whom the applicants' consent has been given for their providing references (unless otherwise specified).

The University only accepts and considers applications submitted online for the posts above. For more information and to apply online, please visit <http://career.cuhk.edu.hk>.

Clemson University

Assistant Professor

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

We are interested in candidates with research interests compatible with the School of Computing that will primarily support these BDSI programs.

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

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

Columbia University

Lecturer

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

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

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

Columbia University

Open Rank

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

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

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

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

their research, teaching, and/or service, to the diversity and excellence of the academic community.

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

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

Columbia University is an Equal Opportunity Employer / Disability / Veteran

Columbia University

Tenure Track Faculty Position

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

Systems and Cybersecurity. Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position at the Assistant Professor without tenure level must demonstrate the potential to do pioneering research and to teach effectively. The successful candidate is expected to contribute to the advancement of their field and the department by developing an original and leading externally funded research program, and by contributing to the undergraduate and graduate educational mission of the Department.

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

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

Cornell University

Lecturer

The Cornell University Department of Computer Science invites applications for multiple full-time and long-term Lecturer positions at Cornell's Ithaca campus. Cornell University is located in Ithaca,

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

This non-tenure track faculty position offers a professional teaching career track with the possibility for growth. Based on candidate's 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 Ph.D. in any computing-related field and have demonstrated a commitment to teaching excellence and innovation. We are seeking candidates who can contribute to large lower- and upper-level undergraduate and master's level courses across a range of computer science subfields.

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

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 candidate's teaching skills and abilities to be submitted electronically.

Application materials should be submitted at: <https://academicjobsonline.org/ajojobs/11927>

Evaluation of applicants will begin February 15, 2019 and continue until the positions are filled. For more information about Cornell Computer Science, please visit our website at: <https://www.cs.cornell.edu>. More information on our current undergraduate programs and course offerings is available at: <http://www.cs.cornell.edu/undergrad>.

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

DePaul University

Assistant/Associate/Full Professor in Computer Science

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

flexible and supportive environment for candidates seeking rewarding academic careers with a balanced emphasis among teaching and research.

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

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty. Members of all underrepresented groups, women, veterans, and persons with disabilities are invited and encouraged to apply. DePaul

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

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

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

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

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

Required Documents:

Cover letter

C.V.

Teaching statement

Research statement

Three letters of recommendation

DePaul University

Assistant Professor in Cyber-Physical Systems

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

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

should be committed to excellence in both teaching and research.

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

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

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

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty. Members of all underrepresented groups, women, veterans, and persons with disabilities are invited and encouraged to apply.

DePaul University is an Equal Opportunity / Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, ethnicity, religion, sex, sexual orientation, gender identity, national origin, age, marital status, physical or mental disability, protected veteran status, genetic information or any other legally protected status, in accordance with applicable federal, state and local EEO laws.

DePaul University

Instructor in Computer Science

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

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

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

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

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

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

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

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

Required Documents:

Cover letter

C.V.

Teaching statement

Three letters of recommendation

DePaul University

*Professor of Practice position
in Data Science*

DePaul University's School of Computing invites applications for a Professor of Practice to begin in Fall 2019. The non-tenure track faculty appointment is renewable, contingent upon satisfactory performance. We are particularly interested in candidates who demonstrate outstanding teaching and a strong interest in data science education. The position of Professor of Practice will be affiliated with DePaul's Data Mining and Predictive Analytics Center, a multidisciplinary center bringing together faculty, students and private organizations that are interested in data science. As a Professor of Practice, you

will have opportunities to join well-established research groups in areas that include biomedical informatics, recommender systems, data visualization, and web data mining. Our faculty have a strong track record of leading research programs and pedagogical collaborations outside of the School of Computing, including in marketing, computational finance, cyber-physical systems, biomedical informatics, health care, cybersecurity and learning analytics. We will consider applicants whose work focuses on data science, machine learning and artificial intelligence.

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

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

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

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

Responsibilities

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

Required Qualifications

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

Preferred Qualifications

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

Special instructions

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

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

DePaul University

Assistant Professors in Software Engineering

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

careers with a balanced emphasis among teaching and research.

DePaul's School of Computing offers a broad range of innovative programs including Computer Science, Game Development, Human Computer Interaction, Information Security, Data Science, Software Engineering, and others. Our Master of Science in Software Engineering program is one of the premier software engineering graduate programs in the Midwest. The School of Computing includes nearly 60 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and PhD programs. For more information about our school and programs, visit <https://www.cdm.depaul.edu/about/Pages/School-of-Computing.aspx>.

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

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

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

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

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

Required Documents:

- Cover letter
- CV
- Teaching statement
- Research statement
- Three letters of recommendation

DePaul University

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

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

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

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

DePaul's School of Computing, part of the College of Computing and Digital Media (CDM), is committed to the teacher-scholar

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

Responsibilities

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

Required Qualifications

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

Preferred Qualifications

We encourage candidates who are interested in opportunities for collaborative and interdisciplinary research. We have active and well-established research groups in multidisciplinary areas that include

biomedical informatics, recommender systems, data visualization, and web data mining. Additionally, our faculty have a strong track record of leading research programs and pedagogical collaborations outside of the School of Computing, including in marketing, computational finance, cyber-physical systems, biomedical informatics, health care, cybersecurity and learning analytics.

Special instructions

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

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

DePaul University

Faculty Position in Network Technologies

DePaul University's School of Computing invites applications for a faculty position in Network Technologies to begin in Fall 2019. Candidates with a PhD will be considered for a tenure-track position. Others will be considered for a full-time non-tenure-track faculty appointment, which is renewable annually, based on performance.

We are particularly interested in candidates who demonstrate outstanding teaching and deep knowledge in routing and switching, data center technologies, virtualization, cloud technologies, software-defined networks and Internet of Things (IoT) technologies. You will also have opportunities to join established research projects in areas that include Internet of Things (IoT), network security, cellular networks, and software-defined networks.

Successful candidates will be part of a highly-recognized and well-established graduate and undergraduate programs in Network Engineering and Security that make use of extensive network laboratory facilities utilizing equipment from Cisco, Juniper, Palo Alto and others. Information about our academic programs can be found here:

<https://www.cdm.depaul.edu/academics/Pages/MSInNetworkEngineeringandManagement.aspx>

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

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

We seek candidates who demonstrate a commitment to high-quality teaching. Candidates for a tenure-track position must also demonstrate solid research results and the promise of continuing productive research. In addition, candidates will be expected to take a leading role in curriculum development. Additional responsibilities include supervising student projects, developing lab exercises, and fostering collaborations with industry in the Chicago area.

Candidates for this position must have at minimum a Master of Science degree in computer science, network technologies, telecommunications, cloud technologies, or a related field and at least 4 years of professional experience. Candidates for the tenure-track position must also have a PhD degree. Rank and salary are commensurate with qualifications and experience.

We will give preference to candidates who have advanced industry network certifications and extensive teaching experience. We will also give preference to candidates with a PhD in a related discipline, established research results and a record of successful industry collaborations.

Apply at <https://facultyopportunities.depaul.edu/postings/2299>

For priority consideration, application material must be received by February 1st, 2019. Applications will be accepted until the position is filled but no later than March 31st, 2019. For questions please email gbrewste@depaul.edu.

All applicants should include a teaching statement (2 pages maximum) that details their experiences in teaching and curriculum development, in addition to other application materials. The applicant resume/CV should clearly list all courses in network technologies previously taught. Candidates for a tenure-track position must also include a research statement (2 pages maximum) describing research goals, projects and future work.

DePaul University

Professional Lecturer in Information Technology

The School of Computing at DePaul University invites applications for a full-time, non-tenure-track faculty position beginning in Fall 2019. The appointment is initially for one academic year and is renewable, contingent upon satisfactory performance. We seek a candidate with a commitment to high-quality teaching particularly in the area of web development. Job responsibilities include teaching, curriculum development, and committee service.

Candidates should either have (1) an MS or PhD degree in Computer Science, Information Technology, Software Engineering, or a closely related area or (2) a BS or MS degree

with significant professional, technical, and teaching experience.

Candidates are sought that have expertise and experience in at least one of these technologies related to web development: web frameworks, front end development, mobile development, cloud computing, web services, and DevOps.

The School of Computing is part of DePaul's College of Computing and Digital Media (CDM). It is located in the heart of Chicago's Loop, the central business district of Chicago and offers a variety of undergraduate and graduate programs including Computer Science, Information Technology, Human Computer Interaction, Game Development, and Information Security.

DePaul students come from many backgrounds and cultures from a diverse urban setting. Thus CDM is interested in recruiting and maintaining a diverse faculty. Members of all underrepresented groups, such as women, veterans, and persons with disabilities are encouraged to apply. As an Equal Employment Opportunity employer, DePaul University provides job opportunities to qualified individuals, in accordance with applicable federal, state, and local EEO laws.

Apply at <https://facultyopportunities.depaul.edu/postings/2303>

For priority consideration, application materials must be received by March 15, 2019; applications will be accepted until the position is filled. Applications should include CV, statement of teaching

interests, a cover letter, and three letters of recommendation that address the candidate's teaching qualifications or potential. Contact Steve Jost, sjost@cdm.depaul.edu for additional inquiries.

Dickinson College

One-Year Visiting Position in Computer Science

Dickinson College invites applications for a one-year visiting position in Computer Science, beginning Fall 2019. Please apply at <https://jobs.dickinson.edu/postings/4892>. The College is committed to building a representative and diverse faculty, administrative staff, and study body. We encourage applications from all qualified persons.

Applicants should have an MS or higher degree in CS or a related field and a commitment to innovative teaching in a liberal arts setting.

Ecole Polytechnique

Assistant Professor Positions

The Computer Science Department will recruit up to 6 full-time assistant professors, starting September 2019. Details of the positions will be available soon at:

<http://www.lix.polytechnique.fr/Labo/Eric.Goubault/positions-2019.htm>

Ecole Polytechnique is the best engineering University in France and one of the top worldwide. It has a long

tradition of excellence in Mathematics, Physics and Computer Science.

Grinnell College

Assistant Professor of Computer Science (2 Year)

GRINNELL COLLEGE. The Department of Computer Science invites applications for a two-year visiting position beginning Fall 2019. Ph.D. in Computer Science preferred, but candidates with degrees (e.g., Ed.D., ABD, or Master's) in closely related fields and relevant experience will be considered. Teaching and research areas of interest are open, but preference may be given to candidates who can teach operating systems or computer architecture. See <http://www.cs.grinnell.edu>.

Grinnell College is a highly selective undergraduate liberal arts college with a strong tradition of social responsibility. In letters of application, candidates should discuss their potential to contribute to a college community that maintains a diversity of people and perspectives as one of its core values.

To be assured of full consideration, all application materials should be received by February 15. Please visit 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, undergraduate and graduate transcripts (copies are acceptable), a description

of scholarly activities, and a teaching statement that includes a description of the ways they plan to support diversity in the department, 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 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.

Halmstad University (Sweden)

Multiple Openings

Halmstad University (Sweden) has multiple openings, including tenure-track and non-tenure track positions in Information Technology. Tenured and

tenure-track are available in the areas of Programming Languages, Computer Engineering, Security and IT-Forensics, Dependable Systems, and High-Frequency Electronics. Non-tenure track include post-doctoral and doctoral studies positions in various areas.

Complete information about each position as well as instructions for application area available online at <https://hh.mynetworkglobal.com/>

Hartwick College

Assistant Professor - Management Information Systems

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

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

Hartwick College

Assistant Professor -Big Data/ Cybersecurity

Big Data/Cyber Security: The Department of Computer Science at Hartwick College invites applications for a full-time, tenure-

track appointment at the rank of Assistant Professor starting in August 2019.

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

Haverford College

Visiting Assistant Professor of Computer Science

Haverford College welcomes applications for a Visiting Assistant Professor position in the Department of Computer Science beginning fall 2019. The appointment is for a minimum of two years, contingent upon a successful performance review and budgetary considerations.

For more information and to apply, visit: <http://apply.interfolio.com/59198>

IMDEA Software Institute

Tenure-Track Faculty Positions at the IMDEA Software Institute

The *IMDEA Software Institute* invites applications for tenure-track (Assistant Professor) faculty positions. We are primarily interested in recruiting excellent candidates in the areas of Data Science, including machine learning; Security and Privacy; Cyber-Physical Systems; Software Engineering; and Systems, including parallel and distributed systems, embedded systems, hybrid

systems, heterogeneous architectures, etc. Exceptional candidates in other areas within the general research areas of the Institute will also be considered. Tenured-level (Associate and Full Professor) applications are also welcome.

The primary mission of the IMDEA Software Institute is to perform research of excellence at the highest international level in software development technologies. It is one of the highest ranked institutions worldwide in its main topic areas.

Selection Process

The main selection criteria are the candidate's demonstrated ability and commitment to research, the match of interests with the Institute's mission, and



INDIANA UNIVERSITY
**SCHOOL OF
INFORMATICS, COMPUTING,
AND ENGINEERING**

**Lecturer Positions in Intelligent Systems Engineering
Indiana University**

The School of Informatics, Computing and Engineering (SICE) at Indiana University, Bloomington invites applications for two non-tenure track lecturer positions in Intelligent Systems Engineering to begin in August 2019.

We are particularly interested in candidates who can prepare and deliver courses in Computer Engineering and Cyber-physical Systems, potentially with applications in Nanoengineering and Bioengineering. Desirable skills include systems programming, systems design, and prototyping.

Lecturers at SICE are valued members of the faculty and are expected to support the SICE teaching mission through excellence in pedagogical practice, service to the school and academic programs, and inquiry into the advancement of pedagogy. In addition to course responsibilities, lecturers will be responsible for participation in course preparation in collaboration with faculty and the Intelligent Systems Engineering Department Chair, supervision of Associate Instructors assigned to their classes, development of laboratory material, grading, and other duties as assigned. After successfully completing a probationary period, lecturers will be eligible for long-term contracts and promotion path to a Senior Lecturer position. Salary will be commensurate with qualifications and experience.

A Master's of Science (MS) or higher degree in a discipline closely related to our engineering specialties is required before the date of hire. Applicants should preferably have two academic years' experience (may be part-time). Qualified candidates must also provide evidence of teaching experience. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

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

Candidates should review the application requirements and apply online at:
<https://indiana.peopleadmin.com/postings/7238>

For full consideration, applications must be received by February 8, 2019 but will be considered until the positions are filled. Questions may be sent to isechair@indiana.edu

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



INDIANA UNIVERSITY
**SCHOOL OF
INFORMATICS, COMPUTING,
AND ENGINEERING**

**Postdoctoral Fellow
in
Center for Complex Networks and Systems**

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

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

Qualifications:

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

Salary: Commensurate with qualifications and experience

Rank: Postdoctoral Fellow (RSP)

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

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

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

Questions may be sent to filiradi@indiana.edu

For Best Consideration Apply By: December 31, 2018

Ideal Start Date for position: February 15, 2019

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



INDIANA UNIVERSITY
**SCHOOL OF
INFORMATICS, COMPUTING,
AND ENGINEERING**

**Faculty Positions
in
Intelligent Systems Engineering**

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

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

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

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

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

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

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

how the candidate complements areas of established strengths of the Institute. All positions require a doctoral degree in Computer Science or a closely related area, earned by the expected start date. Candidates for tenure-track positions will have shown exceptional promise in research and will have displayed an ability to work independently as well as collaboratively. Candidates for tenured positions must possess an outstanding research record, have recognized international stature, and demonstrated leadership abilities. Experience in graduate student supervision is also valued at this level.

Applications should be completed using the application form at

<https://careers.imdea.org/software/>

Please include the reference "FAC-I-2019" at the beginning of the form. For full consideration, complete applications must be received by February 6, 2019, although applications will continue to be accepted until the positions are filled. Pending final approval, we expect to fill two positions.

Working at the IMDEA Software Institute

The Institute is located in the vibrant area of Madrid, Spain. It offers an ideal working environment, combining the best aspects of a research center and a university department. Its researchers can focus on developing new ideas and projects, in collaboration with world-leading, international faculty, post-docs, and students. Researchers also have the

opportunity (but no obligation) to teach university courses. The Institute offers institutional funding and also encourages its members to participate in national and international research projects. The working language at the Institute is English.

Salaries at the Institute are internationally competitive and established on an individual basis. They include social security provisions in accordance with existing national Spanish legislation, and in particular access to an excellent public health care system.

Further information about the Institute's current faculty and research can be found at <http://www.software.imdea.org>

The IMDEA Software Institute is an Equal Opportunity Employer and strongly encourages applications from a diverse and international community and underrepresented groups. The Institute complies with the European Charter for Researchers.

IU School of Informatics and Computing

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

The Indiana University School of Informatics and Computing at IUPUI invites applications for one tenured or tenure-track faculty position (open rank) in the Department of Library and Information Science (LIS). The appointment will begin August 1, 2019 at the Indiana University-Purdue University Indianapolis

(IUPUI) campus. Exceptional teachers and researchers are being sought. The LIS Department is developing undergraduate applied data science programs, collaborates on graduate data science initiatives, and has an ALA accredited Master of Library Science degree program delivered through online methods.

Areas of special interest include but not limited to:

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

The department collaborates closely with the Human Centered Computing and the BioHealth Informatics Departments in the application of technology to address information needs.

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

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

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

IUPUI

Tenure Track Faculty in Computer Science

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

and is expected to develop a high-quality externally funded research program and be committed to excellence in teaching undergraduate and graduate students.

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

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

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

Johns Hopkins Mathematical Institute for Data Science (MINDS)

Faculty Position in Data Science

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

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

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

Opportunities for interactions across the University include the Center for Imaging Science, the Center for Language and Speech Processing, the Laboratory for Computational Sensing

and Robotics, the Institute for Data Intensive Engineering and Science, the Institute for Computational Medicine, the Malone Center for Engineering in Healthcare, the Johns Hopkins Applied Physics Laboratory, the Johns Hopkins School of Medicine, the Krieger School of Arts and Sciences, and the Bloomberg School of Public Health.

All applicants should submit their application online at <https://apply.interfolio.com/57726>. Electronic applications should include a cover letter describing the principal expertise of the applicant, a statement of teaching interests, a statement of research interests, a complete resume, and a publication list. Applications at the Assistant Professor level should also include at least three reference letters. Applications at the Associate or Full Professor levels should not include reference letters or names at this stage.

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

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

Johns Hopkins University

Lecturer/Sr. Lecturer in Computer Science

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

Johns Hopkins is a private university known for its commitment to academic excellence and research. The Computer Science department is one of nine academic departments in the Whiting School of Engineering, on the beautiful Homewood Campus. We are located in Baltimore, MD in close proximity to Washington, DC and Philadelphia, PA. See the department webpages at <https://cs.jhu.edu> for additional information about the department, including undergraduate programs and current course descriptions.

Applicants for the position should have a Ph.D. in Computer Science or a closely

related field; applicants with a Master's degree and significant relevant industry experience will also be considered.

Demonstrated excellence in and commitment to teaching, and excellent communication skills are expected of all applicants. Applications may be submitted online at <http://apply.interfolio.com/55708>. Questions should be directed to lecsearch2018@cs.jhu.edu. For full consideration, applications should be submitted by December 1, 2018. Applications will be accepted until the position is filled.

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

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

Johns Hopkins University

Postdoctoral Position in Statistical Genetics and Computational Genomics

Applications are being sought for a post-doctoral position to carry out research in the interface of statistical genetics and computational genomics under

joint supervision of Dr. Alexis Battle, Departments of Biomedical Engineering and Computer Science, and Dr. Nilanjan Chatterjee, Departments of Biostatistics and Oncology, at the Johns Hopkins University. Successful candidate will develop and apply computational and statistical methods for the integrated analysis of genome-wide association studies and high throughput molecular traits, such as genome-wide gene expression and methylation, to develop comprehensive understanding of genetic architecture of complex traits and to enhance models for risk prediction for precision medicine applications. Dr. Battle is a leading expert in computational genomics and machine learning and a key investigator of the Genotype Tissue Expression (GTEx) study. Dr. Chatterjee is a leading expert in statistical genetics with major experience in designing and analysis of large-scale genome-wide association studies of cancers and other endpoints. Joint training would allow the candidate to benefit from diverse expertise across the two groups, which have existing collaborations. Ongoing studies include, but not limited to, GWAS enrichment analysis in relationship to emerging functional genomic data, modelling genetic architecture of cis/trans-eQTL effects, Mendelian Randomization (MR) Analysis for the investigation of cascading causal effects of molecular traits and developing models for genetic risk prediction.

Qualification requires (1) PhD in statistics, computer science, engineering or similar

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

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

Johns Hopkins University

Postdoctoral Researcher in Computer Networks

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

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

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

KAUST

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

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

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

These positions are part of a strategic expansion of KAUST in Machine Learning and

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

KAUST (<https://www.kaust.edu.sa>) is an international, graduate level research university dedicated to advancing science and technology through interdisciplinary research, education, and innovation. Located on the shores of the Red Sea in Saudi Arabia, KAUST offers superb research facilities, generous assured research funding, and internationally competitive salaries, attracting top international faculty, scientists, engineers, and students to conduct curiosity-driven and goal-oriented research to address the world's pressing scientific and technological challenges related sustainability in energy, water, food, and the environment.

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

Milwaukee School of Engineering

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/apply/add/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.

National Institutes of Health

Department of Health and Human Services

*Scientific Director
National Library of Medicine*

The National Library of Medicine (NLM) seeks a Scientific Director with creative vision and strong leadership to guide its Intramural Research Program. One of the 27 Institutes and Centers (ICs) of the National Institutes of Health (NIH), NLM is a leader in computational health sciences research and the world's largest biomedical library. The successful candidate will oversee a diverse group of some 150 scientific personnel, developing innovative new approaches to data science, biomedical informatics, and computational biology and their application to open questions in basic molecular biology, genomics, health, and healthcare.

NLM's Strategic Plan, 2017-2027 positions NLM to become a platform for biomedical discovery and data-powered health. NLM anticipates continued expansion of its intramural research program to keep pace with growing demand for innovative data science and informatics approaches that can be applied to biomedical research and health and growing interest in data science across the NIH. NLM is carrying out a significant reorganization of its intramural research activities to operate with a more unified, coordinated approach to investigation under the direction of the Scientific Director.

NLM offers a rich environment for research in computational health sciences. NLM creates and hosts major digital resources, tools, and services for biomedical and health literature, data, and standards, sending 115 terabytes of data to five million users and receiving 15 terabytes of data from 3,000 users every weekday.

The proximity of NLM's intramural research program to its significant collections of digital data and information, and to leading biomedical researchers across NIH provides unparalleled opportunities to NLM's scientific staff.

The Scientific Director:

- Provides overall programmatic leadership for intramural research at NLM, including development of a long-range plan for NLM's biomedical data science research efforts;
- Identifies opportunities and implements strategies to enhance the overall effectiveness and efficiency of NLM's intramural research program, taking into consideration recommendations of the Blue Ribbon Panel Review of NLM's Intramural Research Program;
- Oversees and improves coordination of research in both the Lister Hill National Center for Biomedical Communications (LHC), <https://lhncbc.nlm.nih.gov/>, and the National Center for Biotechnology Information (NCBI), <https://www.ncbi.nlm.nih.gov/research/>; these two NLM research centers, currently under separate scientific administration, are housed on the NIH campus, and

include in total approximately 150 scientific personnel (including principal investigators, staff scientists, research fellows, and other trainees), and a growing research budget.

- Allocates laboratory space and other resources;
- Oversees recruitment and career development of a diverse cadre of exceptional investigators and other scientific staff, as well as intramural training programs for research fellows and other trainees;
- Maintains a personal laboratory conducting innovative research in the biomedical data sciences, supported by resources appropriate to the size and scope of the program;
- Develops partnerships with industry, academia and other Federal agencies to advance research in biomedical data management and data sciences;
- Works closely with senior members of the data science community across NLM, NIH, and other Federal agencies;
- Represents the NLM Intramural Research Program to leadership of NIH, its ICs, and to various committees and other entities within and external to NIH;
- Serves as a member of the NLM Leadership Team that advises the NLM Director, and interacts closely with NLM leadership, particularly regarding strategic research directions and innovative approaches in computational health and data science; and
- Is advised by and serves as Executive Secretary of NLM's Boards of Scientific

Counselors, consisting of prominent extramural researchers.

NIH offers unique opportunities for a scientific leader: opportunities for collaboration with an extensive community of NIH scientists, who have broad expertise across all fields of biomedical research, proximity to NLM's advanced biomedical data and information systems, and a funding model that facilitates the conduct of long-term and high-impact science that can be difficult to undertake in other research environments.

LOCATION: Bethesda, MD

REQUIRED QUALIFICATIONS: The successful candidate will have a Ph.D., M.D. or equivalent degree and an established record of outstanding research accomplishments, scientific leadership and service within the community of scientists interested in the biomedical data sciences.

SALARY/BENEFITS: The NLM Scientific Director will be appointed at a salary commensurate with his/her qualifications and experience and NIH salary guidelines. Full Federal benefits will be provided, including retirement, health and life insurance, long term care insurance, leave, and savings plan (401(k) equivalent).

EQUAL OPPORTUNITY EMPLOYMENT: Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, gender, sexual orientation, national origin, political affiliation, marital status, disability, age or membership or non-membership in an employee organization.

The NIH encourages the application and nomination of qualified women, minorities, and individuals with disabilities.

STANDARDS OF CONDUCT/FINANCIAL DISCLOSURE: The NIH inspires public confidence in our science by maintaining high ethical principles. NIH employees are subject to Federal government-wide regulations and statutes, as well as agency-specific regulations described at <http://ethics.od.nih.gov/default.htm>. We encourage applicants to review this information. The position is subject to a background investigation and requires the incumbent to complete a public financial disclosure report prior to the effective date of the appointment.

FOREIGN EDUCATION: Applicants who have completed part or all of their education outside of the U.S. must have their foreign education evaluated by an accredited organization to ensure that the foreign education is equivalent to education received in accredited education institutions in the United States. We will only accept the completed foreign education evaluation. For more information on foreign education verification, visit the National Association of Credential Evaluation Services (NACES) website. Verification must be received prior to the effective date of the appointment.

REASONABLE ACCOMMODATION: NIH provides reasonable accommodations to applicants with disabilities. If you require reasonable accommodations during any part of the application and hiring process, please notify us. The decision on granting

reasonable accommodation will be made on a case-by-case basis.

HOW TO APPLY: Applicants must submit a letter of interest, current curriculum vitae, and the names of three references by the end of Monday, March 16, 2019. Please include in your CV a description of your mentoring and outreach activities, especially those involving women and persons from racial/ethnic or other groups that are underrepresented in biomedical research. Applications should be sent to:

NLM SD Search Committee
c/o Troy Pfister
Building 38, Room 2S-16
8600 Rockville Pike
Bethesda, MD, 20894
NLMSD@nih.gov

DO NOT INCLUDE YOUR BIRTH DATE OR SOCIAL SECURITY NUMBER ON APPLICATION MATERIALS.

DHHS AND NIH ARE EQUAL OPPORTUNITY EMPLOYERS

National University of Singapore

Sung Kah Kay Assistant Professor in All Areas of Computer Science

The Department of Computer Science at the National University of Singapore (NUS) invites applications for the Sung Kah Kay Assistant Professorship. Applicants can be in any area of computer science. This prestigious chair was set up in memory of the late Assistant Professor Sung Kah Kay. Candidates should be early in their

academic careers and yet demonstrate outstanding research potential, and strong commitment to teaching.

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

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

Application Details:

- Submit the following documents (in a single PDF) online via: <https://faces.comp.nus.edu.sg>
 - » A cover letter that indicates the position applied for and the main research interests
 - » Curriculum Vitae
 - » A teaching statement
 - » A research statement
- Provide the contact information of 3 referees when submitting your online application, or, arrange for at least 3 references to be sent directly to csrec@comp.nus.edu.sg

- Application reviews will commence immediately and continue until the position is filled

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

NEC Laboratories America

Researcher - Data Science & Systems Research

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

The Data Science and Systems Research Department at NEC Labs aims to build novel big data solutions and service platforms that simplify complex computer systems management, and to develop new information technology that supports innovative applications, from big data analytics to the Internet of Things. Our research is both experimental and theoretical, covering many domains in data science and system research, such as: time series mining, graph mining, deep learning, text mining, anomaly detection, signal processing, cloud computing, data centers, software-defined networking and streaming processing.

The goal of our research is to fully understand the dynamics of big data from complex systems, retrieve patterns to profile them and build innovative solutions

to help end user managing those systems. We have built a number of analytic engines and system solutions to process and analyze big data and support various applications in detection, prediction and optimization. Our research leads to both award-winning NEC products and publications in top conferences.

Position Requirements:

- PhD in CS, EE or related field, or Master's degree with 5+ years of relevant experience, or Bachelor's degree with 10+ years of relevant experience
- Domain expertise
- Ability to conduct research independently
- Creativity and independent problem solving
- Ability to work in small teams

NEC Laboratories America is located in Princeton, NJ, home of the 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 Jersey Institute of Technology

Director of the Center for Big Data

The Ying Wu College of Computing (YWCC) at the New Jersey Institute of Technology (<http://computing.njit.edu/>) invites applications for a tenure-track/tenured faculty member to serve as the Director of the Center for Big Data (CBD). Candidates must have a PhD in computer science or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Associate Professor or above. Appropriate areas of expertise include, but are not limited to: pattern recognition, machine learning, natural language processing, social media, analytics, high-performance computing for integration, analysis, visualization, and stream processing of very large amounts of structured, semi-structured, or unstructured data in areas such as business data, scientific data, medical data, etc.

The Center for Big Data at NJIT, <https://centers.njit.edu/bigdata/> is a new multi-disciplinary center designed to synergize the strong expertise in various disciplines across the NJIT campus and develop a rich set of big data enabling technologies and services. The CBD aims to investigate, develop, and apply cutting-edge technologies to address unprecedented challenges in Data Science and Big Data with high Volume, high Velocity, high Variety, and high Veracity, in order to create high Value. The CBD groups faculty from Computer Science, Informatics, Math, Statistics and Management.

The successful candidate will hold a faculty appointment in the department of Computer Science and build the CDB into a vibrant research group. As the Director of the CDB he/she must attract funding and develop collaborative relationships with industry. He/she must demonstrate recognition for productivity and achievement in research and the ability to work collaboratively with colleagues. The ideal candidate should have a strong business sense, experience in new program/center development and an understanding of what it takes to enhance research funding in a competitive environment. Exceptional organizational and communication skills, financial acumen and the potential to fundraise are essential. As a faculty member of the Computer Science department, he/she is expected to (1) teach undergraduate and graduate classes within an adjusted workload, supervise graduate students; (2) develop and teach new graduate and/or undergraduate classes and (3) serve the Department, the College and the University.

Reporting to NJIT Senior Vice Provost for Research, the Director of the Center for Big Data will have his/her primary appointment in the Computer Science department within YWCC. NJIT's Computer Science Department 40 faculty and approximately 1600 students at all levels across nine programs of study. The Computer Science Department participates alongside NJIT's Informatics Department in generating the largest pool of computing talent in the tri-state (CT, NJ, NY) area. The department conducts research in a wide range of areas and plays a key role in the NJIT Center for Big

Data and the NJIT Cybersecurity Research Center. The department has strong connections with local industry and works closely with many corporations through student Capstone projects, internships, co-ops and joint R&D projects.

The Computer Science Department is housed in a state-of-the-art facility renovated in Fall 2018. The department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT. This growth is an integral part of NJIT's five-year strategic plan, called Vision 2020, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader computing community, with an emphasis on grant funding and publishing in top conferences and journals.

The Ying Wu College of Computing comprises 23% of the NJIT enrollment, educating more than 2,800 students in computing disciplines, and graduating close to 800 computing professionals every year.

NJIT is located in Newark's University Heights, a vibrant sprawling downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. NJIT is just a 30-minute train ride from New York City and its burgeoning Silicon Alley tech sector. In the near future, NJIT plans to open

a facility in Jersey City, just across the Hudson River from the financial district of Lower Manhattan in New York City.

To Apply

Applications received by December 31, 2018 will receive full consideration. However, applications are welcome until the position is filled.

To apply, please follow this link: <https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=935>

Applications must include a cover letter, a curriculum vita, and the names and contact information of five references.

Supplemental materials and inquiries may be emailed to big-data-director-search-group@njit.edu

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans and women.

New Jersey Institute of Technology

*Assistant/Associate Professor:
Information Systems And Technology*

Informatics Department

The Informatics Department at New Jersey Institute of Technology (NJIT) welcomes applications for two full time, tenure-track, Assistant or Associate Professor positions (details at informatics.njit.edu/open-faculty-positions/):

Information Systems: Technology: Virtual Environments (AR/VR/MR): Expertise in immersive technologies, virtual environment design, AR/VR/MR software, and/or serious gaming preferred. Outstanding candidates in other areas of informatics, information technology, visualization, and computer graphics will also be considered.

Information Systems & Technology: Social Media and Network Analysis: Expertise in social network analysis, information visualization, data science or information science is preferred. Other analytics, information systems, and informatics researchers will also be considered.

Candidates for both positions must have a Ph.D. in a computing-related field by Summer 2019, and strong potential for world-class research and attracting grant funding. Candidates with exceptional records will be considered at the Associate Professor level.

NJIT Work Environment. Top 1% of Faculty Pay among 1,292 Public Universities. NJIT offers competitive salaries for faculty, new labs, and facilities. Incoming assistant professors begin with a teaching load of only 1/1 to facilitate and support a highly productive research agenda.

Live in the New York Metro Area. NJIT is less than 30 minutes from Manhattan, with its thriving tech community. In the near future, NJIT plans to open a facility in Jersey City, just 5 minutes across the Hudson River from Lower Manhattan. Faculty at NJIT can enjoy the urban lifestyle of the New York City area or the open space of suburban New Jersey.

Rapid Growth, and Enhanced Reputation. NJIT is the 3rd fastest growing university in the US News & World Report rankings, jumping 34 points in 2019. Growth is also spurred by a bold \$400M expansion of new university buildings and facilities. Incoming 2019 faculty will be part of an expansion of more than 130 new recent faculty hires at NJIT.

One of the largest Colleges of Computing on the East Coast. The Ying Wu College of Computing (YWCC) is the largest college of computing among the over 190 colleges and universities in the New York Metro area and one of the largest in the US. YWCC enrolls close to 3,000 students, and graduates close to 800 computing professionals every year. As a result, 25% of all high-tech specialists in New Jersey were trained at NJIT.

University Heights: Newark's Academic Hill. Newark is also a university town with more than 50,000 students, faculty, and staff across five universities and colleges located in the University Heights area. Rutgers and NJIT are sister campuses located side-by-side with shared programs, research projects, and classes.

Research Support. YWCC is a strong, active research college with innovative projects funded by NSF, NIH, DARPA, among others, and partner companies such as Oculus, Verizon, UPS and JD.

Apply for a tenure-track position (jobs.njit.edu)

- Informatics: Social Media and Network Analysis (<https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=881>)

- Informatics: Virtual Environments (<https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=878>)

Submit the following: (1) CV (2) list of three references (e-mail addresses and phone numbers), (3) cover letter, (4) any supplemental material (optional).

For information and inquiries: Contact informatics@njit.edu or call Dr. Mike Halper at (973) 596-5764.

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.

NEW JERSEY INSTITUTE OF TECHNOLOGY.
University Heights, Newark, NJ 07102-1982

New Jersey Institute of Technology

Tenure-track Faculty Positions Computer Science Department

The Computer Science Department at New Jersey Institute of Technology (NJIT) invites applications for multiple tenure-track faculty positions starting in Fall 2019. Areas of special interest are:

- Computer Graphics, Geometric Modeling and Robotics. Priority will be given to candidates whose research has the potential to leverage NJIT's brand-new, advanced Makerspace facility for 3D Printing, Computational Manufacturing, and Digital Fabrication (<https://www.njitmakerspace.com/>)

- Foundations of Data Science and Machine Learning; Artificial Intelligence
- Programming Languages; Software Engineering
- Distributed Systems

Exceptional candidates in other areas will also be considered. While we are especially interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will be considered.

Applicants must have a Ph.D. degree by Summer 2019 in a relevant discipline, and outstanding academic credentials that demonstrate their ability to conduct independent world-class research and attract external funding. The successful candidate is also expected to show a commitment to both undergraduate and graduate education.

NJIT's Computer Science Department has 40 faculty and approximately 1600 students at all levels across nine programs of study. The Computer Science Department participates alongside NJIT's Informatics Department in generating the largest pool of computing talent in the tri-state (CT, NJ, NY) area. The department conducts research in a wide range of areas and plays a key role in the NJIT Center for Big Data and the NJIT Cybersecurity Research Center. The department has strong connections with local industry and works closely with many corporations through student Capstone projects, internships, co-ops and joint R&D projects.

The Computer Science Department is housed in a state-of-the art facility

renovated in Fall 2018. The department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT. This growth is an integral part of NJIT's five-year strategic plan, called Vision 2020, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader computing community, with an emphasis on grant funding and publishing in top conferences and journals.

The Ying Wu College of Computing comprises 24% of the NJIT enrollment, educating more than 2,800 students in computing disciplines, and graduating close to 800 computing professionals every year.

NJIT is located in Newark's University Heights, a vibrant sprawling downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. NJIT is just a 30-minute train ride from New York City and its burgeoning Silicon Alley tech sector. In the near future, NJIT plans to open a facility in Jersey City, just across the Hudson River from the financial district of Lower Manhattan in New York City.

To Apply

Applications received by December 31, 2018 will receive full consideration. However, applications are welcome until the position is filled.

- Use the following link:
- <https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=897> (Computer Graphics, Geometric Modeling and Robotics; Foundations of Data Science and Machine Learning; Artificial Intelligence)
- <https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=898> (Programming Languages; Software Engineering; Distributed Systems)
- Create your application, and upload your cover letter, CV, Research Statement, and Teaching Statement on that site. The CV must include at least three names along with contact information for references.

The applications will be evaluated as they are received and accepted until the positions are filled. Contact: cs-faculty-search@njit.edu

As an EEO employer NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.

New Jersey Institute of Technology

Tenure-Track Faculty Position(s) in Finance and/or Business Data Science AY 2019-2020

The Martin Tuchman School of Management at New Jersey Institute of Technology invites applications for a tenure-track faculty position in business

data science beginning in the 2019-2020 Academic Year. All professorship ranks will be considered commensurate with qualifications and accomplishments of the applicant. Candidates must have earned their Ph.D. in finance, data mining, machine learning, business analytics, applied mathematics, and other data science or closely associated academic area, as well as have a strong interest in FinTech, marketing, MIS and/or artificial intelligence and machine learning.

Successful candidates must demonstrate a record of scholarly accomplishment and a commitment to contributing original research into leading peer-reviewed publications. In addition, the applicant should be interested in teaching the full array of finance and/or business data science and related courses at the undergraduate and graduate levels. In particular, we are seeking candidates who will contribute significantly to the Business Data Science Ph.D. Program and financial technology B.S. and M.S. programs. Salary and benefits are competitive and commensurate with experience. The individual must have completed the Ph.D. at time of appointment in September 2019.

ABOUT THE SCHOOL: The Martin Tuchman School of Management is accredited by the AACSB and offers an undergraduate program in business with concentrations in various business and management disciplines and a full range of graduate programs, including MS in Management, MBA, Executive MBA, and PhD in Business Data Science.

ABOUT THE UNIVERSITY: NJIT is a comprehensive public research university and the State of New Jersey's Science and Technology University located in Newark, New Jersey and in close proximity to New York City. In its 2019 edition, U.S. News & World Report ranks NJIT 106th in the National Universities category, and names NJIT on the Best Value Schools and Most Ethnically and Economically Diverse.

Applications must be submitted at <https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=922>. Include curriculum vitae, statement of teaching and research interests, and list of three references. Please direct any questions to Dr. Zhipeng Yan (zyan@njit.edu) or Dr. Cheickna Sylla (cheickna.sylla@njit.edu), Search Committee Co-Chairs. To assure full consideration, applications must be received by January 10, 2019.

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans and women.

NYU Abu Dhabi

Computer Science Visiting Professor Academic Year 2019 - 2020

New York University (NYU) Abu Dhabi is in a multi-year phase of growth. As such, the University's Program in Computer Science invites applications for a visiting faculty teaching position in computer science. Applicants holding

a PhD, with teaching experience in all areas of computer science are welcome to apply. However, specific teaching areas of interest include (1) introduction to computer science and programming in Python; (2) discrete mathematics; (3) data structures; and (4) algorithms. Candidates are expected to be excellent teachers of undergraduate courses. The expected teaching load is two courses per semester (four courses per academic year). The classes are relatively small and typically have at most 24 students.

NYU Abu Dhabi is located on Saadiyat Island, the cultural centerpiece of Abu Dhabi. Successful candidates will find a vibrant teaching environment that includes supportive and highly motivated colleagues, and access to outstanding resources.

The terms of employment are highly competitive, and include housing and relocation allowances. Appointments, which are dependent on final budgetary approval, are for one academic year and can begin as soon as September 1, 2019, but later start dates are possible. Review of applications is ongoing. To be considered, applicants should apply online via Interfolio by submitting a complete curriculum vitae, a teaching statement and student course evaluations. To complete the online process, applicants will be prompted to enter the names and email addresses of at least three referees. Each referee will be contacted to upload their reference letter. Please visit <http://apply.interfolio.com/58648> to apply. If you have any questions, please e-mail nyuad.science@nyu.edu.

About NYUAD:

NYU Abu Dhabi is a degree-granting research university with a fully integrated liberal arts and science undergraduate program in the Arts, Sciences, Social Sciences, Humanities, and Engineering. NYU Abu Dhabi, NYU New York, and NYU Shanghai, form the backbone of NYU's global network university, an interconnected network of portal campuses and academic centers across six continents that enable seamless international mobility of students and faculty in their pursuit of academic and scholarly activity. This global university represents a transformative shift in higher education, one in which the intellectual and creative endeavors of academia are shaped and examined through an international and multicultural perspective. As a major intellectual hub at the crossroads of the Arab world, NYUAD serves as a center for scholarly thought, advanced research, knowledge creation, and sharing, through its academic, research, and creative activities.

UAE Nationals are encouraged to apply.

The University is an equal opportunity employer committed to equity, diversity and social inclusion.

NYU Tandon School of Engineering

Industry Faculty, Department of Computer Science, New York University

The Department of Computer Science at the NYU Tandon School of Engineering

invites applications for a full time, non-tenured, renewable faculty position in Cyber Security as *Director of Cyber Security Education (Online MS Program)* (see position description below), with a start date of June 1, 2019. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

Our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We take pride in our high numbers of women students and students who are the first in their family to go to college. We seek faculty who have a real passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

We foster innovation and entrepreneurship that make a difference in the world:

- Our faculty and students are part of the high-tech start-up culture in New York City and in downtown Brooklyn.
- We support four "future lab" business incubators that connect our students and faculty to today's innovation economy.
- We collaborate closely with other universities throughout NYC.
- We maintain strong partnerships with NY city and state governments and with industry and corporate communities.

With NYU's unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning, and we lead in online education and in K-12 STEM outreach. Our students conduct Vertically Integrated Research projects and participate in an extensive undergraduate summer research program.

The Director of Cyber Security Education (Online MS Program) will lead a team of faculty and staff (Tandon Online) to develop and deliver curriculum and courses for the online Cyber Security MS program. The Director will possess an authoritative understanding of cyber security and develop a clear understanding of existing cyber security (MS) graduate programs, in order to orchestrate a program through which our students develop workforce-ready computational and analytical skills and mindsets.

You should be an excellent teacher. You should have a Masters degree or Ph.D. (preferred) in Computer Science or a closely related discipline and a record of industrial experience and/or teaching in these areas.

You should submit:

- Cover letter
- Current CV
- Recent teaching evaluations
- A teaching statement describing experience and teaching philosophy
- Names and contact information for three references.

Please submit materials electronically at <https://apply.interfolio.com/59178>

We will review applications starting February 2019 and will continue until we fill the position; we encourage you to submit early.

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

New York University Tandon School of Engineering

Faculty Position in Data Sciences

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenured or tenure track position, to begin September 2019. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers

for the 21st century. We are committed to quality, integrity, and respect for each other. We value and take pride in our high proportion of female students and students who are the first in their families to go to college. We seek faculty who have a passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

NYU Tandon fosters innovation and entrepreneurship that make a difference in the world. The CSE department is at the center of a high-tech start-up culture where student and faculty innovation and entrepreneurship activities are supported and nurtured both in New York City, Brooklyn and across the NYU Global Network University. NYU Tandon leads multidisciplinary centers in visualization, imaging and data analysis (VIDA), cybersecurity (CCS), the media and games network (MAGNET), 5G wireless technology, the center for urban science and progress, the Governance Lab, and AINOW dedicated to understanding the social implications of artificial intelligence.

We invite outstanding applications in the broad area of data science, including data management and analytics. You will be able to participate in activities at the Center for Data Science (CDS) and initiate collaborative efforts with related research activities in the Computer Science Department in Courant, the School of Medicine, and other NYU schools and departments.

You should have a PhD in Computer Science or a closely related discipline.

A distinguished record of scholarship, international reputation, demonstrated ability to develop and lead high quality research and attract external funding are highly desired. You should demonstrate or show potential for excellence in teaching and mentoring.

You should submit:

1. Cover letter
2. Current CV
3. Names of three references and their contact information
4. Statements of research and teaching interests
5. Recent teaching evaluations (if applicable).

We will review applications beginning on December 1 and will continue until we fill the position.

Please submit all application materials electronically at

<https://apply.interfolio.com/57125>

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

New York University Tandon School of Engineering

Faculty Position in Medical Image Analysis and Computer Vision

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenured or tenure track position, to begin September 2019. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We value and take pride in our high proportion of female students and students who are the first in their families to go to college. We seek faculty who have a passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

NYU Tandon fosters innovation and entrepreneurship that make a difference in the world. The CSE department is at the center of a high-tech start-up culture where student and faculty innovation and entrepreneurship activities are supported and nurtured both in New York City, Brooklyn and across the NYU Global Network University. NYU Tandon leads multidisciplinary centers in

visualization, imaging and data analysis (VIDA), cybersecurity (CCS), the media and games network (MAGNET), 5G wireless technology, the center for urban science and progress, the Governance Lab, and AINOW dedicated to understanding the social implications of artificial intelligence.

We invite outstanding applications in the area of Biomedical Image Analysis and Computer Vision. You will bring excellent qualifications in mathematical, algorithmic and statistical concepts foundational to biomedical image analysis and computer vision, and proven record in interdisciplinary collaborative research. Our program offers unparalleled opportunities for research across boundaries through a tradition of close interdisciplinary collaborations with multidisciplinary centers and research programs in biomedical optical and radiological imaging, neuroscience, systems genetics, and major medical research departments including Radiology, Ophthalmology, Orthopaedic Surgery, Rehabilitation Medicine, and Global Public Health. You will also have opportunities to initiate interdisciplinary collaborations with the NYU Center for Brain Imaging (CBI) and faculty in the Computer Science Department in Courant.

You should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, international reputation, demonstrated ability to develop and lead high quality research and attract external funding are highly desired. You should demonstrate or show potential for excellence in teaching and mentoring.

You should submit:

1. Cover letter
2. Current CV
3. Names of three references and their contact information
4. Statements of research and teaching interests
5. Recent teaching evaluations (if applicable).

We will review applications beginning on December 1 and will continue until we fill the position.

Please submit all application materials electronically at

<https://apply.interfolio.com/57128>

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

NYU Tandon School of Engineering

Faculty Position in Data Sciences

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenured or tenure track position, to begin September 2019. New York

University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We value and take pride in our high proportion of female students and students who are the first in their families to go to college. We seek faculty who have a passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

NYU Tandon fosters innovation and entrepreneurship that make a difference in the world. The CSE department is at the center of a high-tech start-up culture where student and faculty innovation and entrepreneurship activities are supported and nurtured both in New York City, Brooklyn and across the NYU Global Network University. NYU Tandon leads multidisciplinary centers in visualization, imaging and data analysis (VIDA), cybersecurity (CCS), the media and games network (MAGNET), 5G wireless technology, the center for urban science and progress, the Governance Lab, and AINOW dedicated to understanding the social implications of artificial intelligence. We invite outstanding applications in the **broad area of data science**, including data management and analytics. You will be able to participate in activities at the Center for Data Science (CDS) and

initiate collaborative efforts with related research activities in the Computer Science Department in Courant, the School of Medicine, and other NYU schools and departments.

Qualifications

You should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, international reputation, demonstrated ability to develop and lead high quality research and attract external funding are highly desired. You should demonstrate or show potential for excellence in teaching and mentoring.

Equal Employment Opportunity Statement

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

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

minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Application Instructions

You should submit: Cover letter, current CV, names of three references and their contact information, statements of research and teaching interests, and recent teaching evaluations (if applicable). This institution is using Interfolio's Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials.

Please follow the **Apply Now** link: <https://apply.interfolio.com/57125>. We will review applications beginning on December 1 and will continue until we fill the position.

NYU Tandon School of Engineering

Industry Professor in Computer Science

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites outstanding teachers to apply for a full time, non-tenured, renewable faculty position at the levels of Assistant, Associate or Full Industry Professor in any areas of computer science, with a start date of January 1, 2019 or later.

New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School

of Engineering. Our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We take pride in our high numbers of women students and students who are the first in their family to go to college. We seek faculty who have a real passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

With NYU's unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning, and we lead in online education and in K-12 STEM outreach. Our students conduct Vertically Integrated Research projects and participate in an extensive undergraduate summer research program.

Qualifications

An Industry Professor's primary roles are teaching, mentoring and educational innovation, and the position may also entail some administrative work and outreach. The department offers BS degrees in Computer Science and in Computer Engineering, MS degrees in Computer Science and in Cybersecurity, and PhD degrees in Computer Science, as well as several minors.

We invite applicants for classroom and laboratory teaching in all areas of computer science. You should be an excellent teacher and mentor. You should have a Ph.D. in computer science or a closely related discipline

and bring a record of teaching and/or industrial experience in areas related to core computer science topics, but applicants with an M.S. degree will also be considered.

Equal Employment Opportunity Statement

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

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

Application Instructions

You should submit: Cover letter, current CV, recent teaching evaluations, a teaching statement describing experience and teaching philosophy, and names and contact information for

three references. This institution is using Interfolio's Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials.

Please follow the **Apply Now** link: <https://apply.interfolio.com/56796>.

We will review applications beginning on December 1 and will continue until we fill the position.

NYU Tandon School of Engineering

Faculty Positions in Machine Learning and Artificial Intelligence

The Department of Computer Science and Engineering (CSE) and the Department of Electrical and Computer Engineering (ECE) at the New York University Tandon School of Engineering invites applications for senior and junior tenured and tenure track positions, to start September 2019. NYU is one of the top private universities in the United States. NYU Tandon has an illustrious past as Brooklyn Poly and as the NYU Polytechnic School of Engineering.

At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We take pride in our high number of women students and students who are the first in their family to go to college. We seek faculty who have a real passion for a culturally diverse environment. NYU Tandon belongs to the Higher Education

Recruitment Consortium (HERC), which assists with dual-career searches.

NYU Tandon fosters innovation and entrepreneurship that make a difference in the world. The CSE and ECE departments are at the epicenter of a high-tech start-up culture where student and faculty innovation and entrepreneurship activities are supported and nurtured both in New York City and across the NYU Global Network University. We lead and have ties to multidisciplinary centers in 5G wireless technology, media and games, cyber-security, urban informatics, data sciences, technology and governance, and the social implications of artificial intelligence. Our program offers unparalleled opportunities for research across boundaries through a tradition of close collaborations with other NYU Schools, Departments, and Centers.

Qualifications

We invite applications from candidates in machine learning and artificial intelligence, with an emphasis in foundational theory and areas that are synergistic with the strengths of the CSE and ECE departments, including statistics and information theory, medical imaging, game design, cyber-security, robotics, computer vision, smart grids, and cyber-physical systems. Successful candidates will be jointly appointed in the CSE and ECE Departments.

You should have a Ph.D. degree in electrical engineering, computer science, computer engineering, or a related discipline. You should demonstrate potential for excellence in teaching

and mentoring. For senior applicants, a distinguished record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent research funding record are desired.

Application Instructions

You should submit a cover letter, current CV, names of three references and their contact information, and recent teaching evaluations (if applicable). We will review applications beginning on November 1 and will continue until we fill the position. We encourage applicants to submit early.

Equal Employment Opportunity Statement

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

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

Application Process:

This institution is using Interfolio's Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials. Please follow the

Apply Now link: <https://account.interfolio.com/login?apply=54628>.

NYU Tandon School of Engineering

Faculty Position in Medical Image Analysis and Computer Vision

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenured or tenure track position, to begin September 2019. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

At NYU Tandon, our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We value and take pride in our high proportion of female students and students who are the first in their families to go to college. We seek faculty who have a passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

NYU Tandon fosters innovation and entrepreneurship that make a difference

in the world. The CSE department is at the center of a high-tech start-up culture where student and faculty innovation and entrepreneurship activities are supported and nurtured both in New York City, Brooklyn and across the NYU Global Network University. NYU Tandon leads multidisciplinary centers in visualization, imaging and data analysis (VIDA), cybersecurity (CCS), the media and games network (MAGNET), 5G wireless technology, the center for urban science and progress, the Governance Lab, and AINOW dedicated to understanding the social implications of artificial intelligence.

We invite outstanding applications in the area of Biomedical Image Analysis and Computer Vision. You will bring excellent qualifications in mathematical, algorithmic and statistical concepts foundational to biomedical image analysis and computer vision, and proven record in interdisciplinary collaborative research. Our program offers unparalleled opportunities for research across boundaries through a tradition of close interdisciplinary collaborations with multidisciplinary centers and research programs in biomedical optical and radiological imaging, neuroscience, systems genetics, and major medical research departments including Radiology, Ophthalmology, Orthopaedic Surgery, Rehabilitation Medicine, and Global Public Health. You will also have opportunities to initiate interdisciplinary collaborations with the NYU Center for Brain Imaging (CBI) and faculty in the Computer Science Department in Courant.

Qualifications

You should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, international reputation, demonstrated ability to develop and lead high quality research and attract external funding are highly desired. You should demonstrate or show potential for excellence in teaching and mentoring.

Application Instructions

You should submit: Cover letter, current CV, names of three references and their contact information, statements of research and teaching interests, and recent teaching evaluations (if applicable). This institution is using Interfolio's Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials. Please follow the **Apply Now** link: <https://apply.interfolio.com/57128>. We will review applications beginning on December 1 and will continue until we fill the position.

NYU Tandon School of Engineering

Vice Dean for Research and Industrial Partnerships

The NYU Tandon School of Engineering seeks an accomplished individual for the position of Vice Dean for Research and Industry Partnerships, reporting directly to the Dean of the School. New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering.

The Vice Dean for Research and Industry Partnerships will work strategically with the Dean and the Tandon Leadership Team to identify focus areas for research and partnerships; identify funding for research and creative endeavors, both in and outside the university; and assist with the development of new and the enhancement of existing research centers and institutes. The Vice Dean will work closely with the newly renamed Vice Dean for Innovation and Entrepreneurship to identify opportunities for the commercialization of intellectual property emanating from faculty research. Since engineering faculty work closely with industrial sponsors, it is paramount that the Vice Dean has the ability to connect faculty and industry sponsors and to manage all aspects of the faculty-industry relationships at high levels.

Key Responsibilities:

- Help develop and elevate the strategic advancement and support of the research mission at the NYU Tandon School of Engineering;
- Cultivate and expand relationships with industry, government, and private foundations that support research;
- Work collaboratively to assist faculty across all disciplines in achieving their scholarly goals and in achieving the strategic mission of the research and creative activity enterprise;
- Develop a robust research infrastructure, including identifying necessary staff and implementing effective policies and processes to streamline and manage research at the school level

(in coordination with corresponding university offices):

- Ensure tight integration of instruction and research;
- Provide oversight for the entire sponsored award lifecycle—from pre-award to post-award activities—at the NYU Tandon School of Engineering;
- Identify opportunities for the commercialization of intellectual property emanating from faculty research and work closely with the Vice Dean for Innovation and Entrepreneurship to bridge the gap between research and entrepreneurial activities.
- The Vice Dean must work closely with all stakeholders at NYU Tandon and with constituents across the university, and must be able to communicate effectively, build collegial relationships, and gain trust through expert work and clear management. In particular, the Vice Dean should:
 - Share the vision of Tandon’s scholarly enterprise within a broad and comprehensive research university and provide leadership in pursuing this vision;
 - Build strong relationships with others through an ability to communicate clearly and persuasively;
 - Identify and build strong relationships with industrial sponsors and manage all aspects of the faculty-industry relationships;
 - Promote integration of the research and educational missions of the school;
 - Build teams for interdisciplinary research;
 - Promote the generation of faculty intellectual property (IP)

Position Specification:

- Extensive knowledge of and experience with research funding
- Deep knowledge of and experience with faculty research affairs
- Prior experience and success in building and cultivating industrial and corporate partnerships
- Commitment to and ability to exercise leadership at the school, university, state, national, and international level on issues related to research
- Ability to conduct himself/herself at the highest levels of personal and professional integrity and ethical standards at all times
- Ability to coach, lead, develop, and inspire others to achieve their professional best.

The Vice Dean should create a culture of teamwork and collegiality across all of NYU Tandon and NYU that fosters good communication, respect, and provision of good service, while committing to the process of continuous improvement in the school and the university.

Candidate Profile

- An advanced degree is required.
- 5 years of experience with progressive leadership responsibility at a major research organization or university, with a focus on research development and support, is required.
- This position may or may not be a faculty position, as appropriate. For candidates who would be hired as faculty members: should have academic credentials as a scholar that warrant

appointment as a tenured full professor with international recognition.

- At least five years of experience leading a research support office at a major university or large organization with a diverse research portfolio is preferred.
- Record of success in developing and implementing interdisciplinary, collaborative research strategies that lead to increased funding and support from government, nonprofit, and private sector entities.
- Experience outside of academia (industry research, national laboratories, military, nonprofit research entity, or government research lab) will be considered relevant and valuable.
- Appreciation for academic entrepreneurship.

To apply, please submit to:

<https://apply.interfolio.com/57745>

- A letter of application outlining your qualifications for this position;
- CV
- Names and email addresses for three references.

We will review applications starting December 15 and will continue until we fill the position.

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent

permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

NYU Tandon School of Engineering

Industry Professor in Computer Science

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites outstanding teachers to apply for a full time, non-tenured, renewable faculty position at the levels of Assistant, Associate or Full Industry Professor in any areas of computer science, with a start date of January 1, 2019 or later.

New York University (NYU) is one of the top private universities in the United States. We have an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. Our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. We are committed to quality, integrity, and respect for each other. We take pride in our high numbers of women students and students who are the first in their family to go to college. We seek faculty who have a real passion for a culturally diverse environment. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches.

With NYU's unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning,

and we lead in online education and in K-12 STEM outreach. Our students conduct Vertically Integrated Research projects and participate in an extensive undergraduate summer research program.

An Industry Professor's primary roles are teaching, mentoring and educational innovation, and the position may also entail some administrative work and outreach. The department offers BS degrees in Computer Science and in Computer Engineering, MS degrees in Computer Science and in Cybersecurity, and PhD degrees in Computer Science, as well as several minors.

We invite applicants for classroom and laboratory teaching in all areas of computer science. You should be an excellent teacher and mentor. You should preferably have a Ph.D. in computer science or a closely related discipline and bring a record of teaching and/or industrial experience in areas related to core computer science topics, but applicants with an M.S. degree will also be considered.

You should submit:

- Cover letter
- Current CV
- Recent teaching evaluations
- A teaching statement describing experience and teaching philosophy
- Names and contact information for three references.

Please submit materials electronically at <https://apply.interfolio.com/56796>

We will review applications starting December 1 and will continue until we

fill the position; we encourage you to submit early.

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

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.

North Carolina State University

Faculty Position - Lecturer

The Computer Science Department at North Carolina State University (NC State) invites applications from outstanding educators for one Lecturer position starting August 16, 2019. Candidates must have a minimum of an MS degree (or equivalent) in Computer Science or related field along with appropriate experience, by August 15, 2019. Candidates should provide demonstrated commitment to quality undergraduate teaching.

The Lecturer will teach three courses a semester. The Lecturer is responsible for the preparation, maintenance, delivery, and overseeing student evaluation of E115, a large enrollment course about the NC State computing environment required of College of Engineering undergraduates. Additionally, a Lecturer will be responsible for teaching additional undergraduate courses in the department or the college, which may include service courses in Python, Matlab, or Java; courses at the 200- and 300-level; or college courses like E101 and/or E102. Service responsibilities may include service lab coordination, teaching assistant training, and/or activities identified by the Department Head of the Director of the NC State Computer Science Undergraduate Program.

The Department of Computer Science and NC State is one of the oldest and largest CS departments in the country. It is part of the university's College of Engineering. NCSU is located in Raleigh, capital of North

Carolina, which forms one vertex of the world-famous Research Triangle, including Research Triangle Park (RTP). RTP has one of the most diverse industrial bases in the world and is a center of excellence for technology and science. The Research Triangle area is routinely recognized in national surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, and great weather, all in the proximity of both mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by December 7, 2018. Salary will be commensurate with qualifications. Applicants should submit the following online at <http://jobs.ncsu.edu> (reference position number 00106662): cover letter, curriculum vitae, statement of teaching philosophy, and names and complete contact information of three references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised here at <http://www.csc.ncsu.edu/>.

Inquiries may be sent via email to: csc-teaching-fac-search@lists.ncsu.edu.

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

status as an individual with a disability, or status as a protected veteran.

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

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

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

Teaching Assistant Professor

The Computer Science Department at North Carolina State University (NC State) invites applications from outstanding educators for one Teaching Assistant Professor position starting August 16, 2019. Candidates must have a Ph.D. in Computer Science or a related area along with appropriate experience by August 15, 2019. Candidates should provide evidence of excellence in teaching at the university level, leadership in curricular innovation, and interest in CS educational scholarship. While we are considering candidates with specializations in all areas of computer science, those with

backgrounds in theory, systems, security, or entrepreneurship are especially encouraged to apply.

Primary responsibilities will include teaching core Computer Science courses both at the undergraduate and graduate levels, with initial focus on undergraduate core courses. Teaching faculty help maintain consistency and quality of program learning outcomes through curricular innovation, especially at scale. Oversight of Teaching Assistants is expected. Opportunities are available to teach specialized elective courses and mentor researchers at the undergraduate and graduate levels. A successful candidate must be student-centered and interact with the regional and national community. Candidates will be expected to contribute to departmental efforts in scholarship and service. Participation in high quality research activities centered on teaching, learning, diversity, and/or Computer Science related pedagogy is encouraged and supported. Candidates may have the opportunity to lead in the creation and continuation of specialized advanced undergraduate tracks or concentrations.

Teaching-track faculty are full members of the Department and have a promotion path from Teaching Assistant Professor to Teaching Associate Professor and Teaching Full Professor. Teaching-track faculty are highly valued colleagues and contribute to the Department through coordination of courses, participation in the Strategic Planning Committee, ABET accreditation, and departmental leadership. The Department supports engagement of teaching track faculty with the larger community.

The Department of Computer Science and NC State is one of the oldest and largest CS departments in the country. It is part of the university's College of Engineering. NCSU is located in Raleigh, capital of North Carolina, which forms one vertex of the world-famous Research Triangle, including Research Triangle Park (RTP). RTP has one of the most diverse industrial bases in the world, and is a center of excellence for technology and science. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, and great weather, all in the proximity of both mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by December 7, 2018. Salary will be commensurate with qualifications. Applicants should submit the following online at <http://jobs.ncsu.edu> (reference position number 00107046): cover letter, curriculum vitae, statement of teaching philosophy, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised here at <http://www.csc.ncsu.edu/jobs>. Inquiries may be sent via email to: csc-teaching-fac-search@lists.ncsu.edu.

NCSU is an equal opportunity and affirmative action employer. In

addition, NCSU welcomes all persons without regard to sexual orientation or genetic information. Individuals with disabilities desiring accommodations in the application process should contact (919) 515-3148.

Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified at www.wes.org. Degree must be obtained prior to start date. NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

North Carolina State University

Department of Computer Science

Theory Faculty Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track/tenured faculty position in theoretical computer science starting August 16, 2019. This search is part of an ongoing effort to strengthen theory within the department.

The department seeks candidates from all areas of theoretical computer science. Successful candidates must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research

university. Required credentials include a doctorate in Computer Science or a related field. Candidates with exceptional research records of all levels are encouraged to apply.

The Department of Computer Science values innovation, diversity, collaboration, and lifelong learning, and has active research groups in most areas of computer science with particular strengths in security, systems, software engineering, educational informatics, and games. Situated within a top College of Engineering, the department has extensive ties with industry and government laboratories, and a strong record of faculty research funding. NC State is committed to supporting interdisciplinary work, and department faculty are regularly involved in cross-campus initiatives including clusters in the Chancellor's Faculty Excellence Program (<https://facultyclusters.ncsu.edu>).

NC State is located in Raleigh, which forms one vertex of the world-famous Research Triangle, a metropolitan area that is routinely recognized as one of the best places to live in the U.S. (#13 in the 2018 U.S. News rankings). The Triangle offers diversity, culture, events, and a restaurant scene normally associated with a much larger city, while enjoying reasonable traffic, high-quality public schools, affordable housing, and great weather and infrastructure for outdoor pursuits (including an extensive greenway system for running/biking, several lakes for boating, and easy access to both the mountains and the beach).

Candidates can obtain additional information about the department and its research programs at <http://www.csc.ncsu.edu/>. Inquiries may be sent via email to: csc-theory-search@lists.ncsu.edu.

Applications will be reviewed as they are received, and the position will remain open until a suitable candidate is identified. Applicants are encouraged to apply by January 1, 2019. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00060889): cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers.

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

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

Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If highest degree is from an institution

outside of the U.S., final candidates are required to have their degree verified at www.wes.org. Degree must be obtained prior to start date.

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

Northeastern Illinois University

Assistant Professor

The Computer Science Department of Northeastern Illinois University in Chicago invites individuals to apply for a tenure-track, assistant professor position, starting August 2019. A Ph.D. in Computer Science or closely related field is required. We will consider applicants from all areas of computer science, especially: Software Engineering, Data Analytics, Security & Systems Research, Operating Systems, Distributed Systems, Complex Systems and Performance Computing.

Review of applications will begin on January 15, 2019 and will continue until the position is filled. AA/EOE.

For more information please visit: <http://cs.neiu.edu/>

Northeastern Illinois University is an Equal Opportunity/Affirmative Action Employer and invites applications from Women, Minorities, Veterans and Persons with Disabilities, as well as Other Qualified Individuals.



Tenured and Tenure-Track Faculty Position in Security and Privacy

The College of Information Sciences and Technology (IST) at The Pennsylvania State University in University Park, Pennsylvania invites applications for multiple tenure-track faculty positions at any level, Assistant Professor, Associate Professor, or Professor in security and privacy. We seek exceptional candidates with high quality research and publications to strengthen and complement our current research programs. Security and privacy are inherently interdisciplinary; we welcome applications from scholars at all ranks and from a variety of disciplinary backgrounds. We are looking for applicants with expertise spanning the Computer & Information Science & Engineering aspects of security and privacy, and the Social, Behavioral & Economic Sciences aspects of security and privacy. Successful candidates will develop an internationally competitive, externally funded research program, and contribute to graduate and undergraduate education and training through teaching. These positions will be responsible for teaching undergraduate and graduate courses in residence and online, researching, and contributing to IST's service and outreach objectives. All candidates must have a Ph.D. or a terminal degree in information science or a closely related field. The successful candidates for the Assistant Professor rank must have demonstrated ability as a researcher and shown evidence of continuous scholarship. The successful candidates for the Associate Professor rank must provide evidence of an established reputation in scholarly or professional achievement. The successful candidates for the Professor rank must provide evidence of a substantial record of advanced research and leadership in their fields of specialization. All candidates must have received their Ph.D. or a terminal degree no later than the time of appointment. All successful candidates must pass a background check. The College of IST offers a highly collaborative interdisciplinary research environment with a strong, externally funded research program in security and privacy. Our College has world-class research groups in human-centered design and data sciences, and we are eager to strengthen collaborations with these groups. Additional opportunities for research collaboration are offered by the Institute for Cyberscience, the Social Sciences Research Institute, the Bellisario College of Communications, and the Huck Institutes of the Life Sciences. The College has a strong Ph.D. program with over 100 Ph.D. students, and a rapidly growing Bachelor of Science major in Cybersecurity Analytics and Operations. TO APPLY: In addition to completing the online job application, interested applicants must submit the following material: cover letter, Curriculum Vitae, 3-5 page research statement, one-page teaching statement, and 3-5 professional references at <https://academicjobsonline.org/ajob/jobs/12165>. Review of applications will begin immediately. To receive full consideration, applicants should submit their materials by December 15, 2018. Inquiries 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 CO Press, and the 8th best college town in the nation by Best College Reviews.

Apply online at <http://apptkr.com/1358129>

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.

Northeastern Illinois University's positions are contingent upon the University's receipt of its State of Illinois appropriation.

Princeton University

Assistant Professor

The Lewis-Sigler Institute for Integrative Genomics at Princeton University invites applications for a tenure-track faculty position at the Assistant Professor Level. We are seeking outstanding scientists in the areas of bioinformatics, computational biology or biostatistics. The successful candidate would have an established track record of collaborative research with experimental biologists. We are particularly keen to recruit faculty who will extend and complement our existing strengths in bioinformatics and biostatistics. We seek faculty members who will contribute to our community that embraces excellence and diversity, with strong commitment to teaching and mentoring.

The Lewis-Sigler Institute for Integrative Genomics, housed in the Carl Icahn Laboratory at Princeton University, was established to innovate in research and teaching at the interface of modern biology and the more quantitative sciences. The Institute provides significant support to its faculty through heavy investment in state-of-the-art infrastructure, an NIH-funded graduate training program, and a high level of administrative support.

Faculty positions are jointly appointed in one of the following academic departments at Princeton: Computer

Science, Ecology and Evolutionary Biology, Physics, Chemistry, Chemical and Biological Engineering, or Molecular Biology. These joint faculty positions offer significant benefits in terms of infrastructure, research funds, and collaborative opportunities, as well as an opportunity to interact with unusually able and interdisciplinary students. The successful candidate will have research laboratories at the Institute, and teaching responsibilities (both graduate and undergraduate) will be shared between the Institute and the home department.

Essential Qualifications: All applicants must have a Ph.D., M.D., or equivalent degree. In addition, applicants must have a very strong record of research productivity, demonstrate the ability to develop a rigorous research program, and be committed to teaching at both the undergraduate and graduate levels.

How to Apply: Applications must be submitted online at <https://www.princeton.edu/acad-positions/position/10101> and should include a cover letter, curriculum vitae, a two-page research description, as well as contact information for at least three references.

Applications will start being reviewed beginning on February 1, 2019.

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.

Purdue University

Tenure-Track/Tenured Faculty Position in Computational Biology/Bioinformatics

The Department of Computer Science, in conjunction with the department of Biochemistry, invites applications for a tenured or tenure track faculty position in the field of computational biology or bioinformatics at the at the assistant/associate level. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and strong commitment to teaching.

New hires will contribute to cancer research at the university through computational advances focused on developing software tools and models for the analysis of large cancer-related data; computational and mathematical modeling and simulation; and computational infrastructure support such as databases, services, and distributed platforms. The successful candidate will work to enhance the areas of genomics, epigenomics, transcriptomics, proteomics, interactomics, and emerging single-cell technologies with application to cancer biology. The successful candidate will also be expected to conduct research in their field of expertise, teach courses in computer science and computational genomics, and participate in department and university activities.

Candidates will have excellent opportunities to collaborate with the NCI-designated Purdue University Center for Cancer Research (PCCR). Purdue provides a rich environment for multidisciplinary research, spanning academic departments and research centers including the Bindley Biosciences Center and the Birck Nanotechnology Center which provides significant research infrastructure, as well as unique venues for multidisciplinary research.

The Department of Computer Science (<https://www.cs.purdue.edu>) is in a phase of significant growth and 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. The Department of Biochemistry (www.biochem.purdue.edu) has a vibrant research community with interests in cancer biology, epigenetics, structural biology, and genomics.

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 November 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.

Rensselaer Polytechnic Institute

Job Announcement - Non Tenure-Track Lecturer, Senior Lecturer or Professor of Practice in Game Development

The Program in Games and Simulation Arts and Sciences (GSAS) at Rensselaer Polytechnic Institute invites applications for a full-time faculty position in Game Design and Development to help us inspire and educate the next generation of game developers.

We seek applicants with a passion for making games, a strong record of professional accomplishment or individual creative practice and demonstrated potential for excellence in teaching at the college level. The ideal candidate will have experience in game development or related interactive media, a working knowledge of current 2D and 3D game engines, and the ability to teach students from diverse disciplines and backgrounds.

Teaching responsibilities will include core courses in game programming and project-based game development and

may also include topics in the candidate's area of specialty. The faculty member will advise undergraduate students, perform university and professional service, participate in curriculum development and contribute to the development of a new graduate program in Critical Game Design.

About GSAS at Rensselaer Polytechnic Institute The GSAS Program (www.hass.rpi.edu/pl/gaming) is consistently ranked

as one of the top games programs in North America, with an interdisciplinary curriculum combining practical and theoretical approaches to game development including computer science, art, music, writing, VR and AR design, game studies and media theory. In 2016 it was designated one of three Digital Gaming Hubs by the State of New York.

Appointment will be on a three-year, renewable appointment at the rank of Lecturer, Senior Lecturer, or Professor of Practice, commensurate with qualifications and experience. The preferred start date is August 2019.

About Rensselaer For nearly 200 years, Rensselaer Polytechnic Institute in Troy, NY has been defining the scientific and technological advances of our world. Rensselaer serves over 7,600 undergraduate and graduate students from 49 states and 63 countries. Guided by the Rensselaer Plan 2024, Rensselaer seeks to transform the delivery of pedagogical innovations, and to be a transformative agent in the 21st century and beyond.

The university's Curtis R. Priem Experimental Media and Performing Arts Center (EMPAC) offers scholars

and students opportunities for creative interdisciplinary research in the arts, performance technologies, science and engineering. The Tech Valley region is home to studios including Vicarious Visions/Activision, WB Games NY, Velan Studios and 1st Playable Productions, as well as a burgeoning indie development community. Rensselaer is located in Troy, NY, the heart of the “Tech Valley” region of the Hudson River Valley.

Requirements

Minimally, candidates must possess

- A terminal degree (Ph.D., M.F.A. or foreign degree equivalent), in Games, Interactive Media, Computer Science or a closely related field by the time of appointment
- Alternatively, candidates with a Bachelor’s Degree (or foreign degree equivalent) plus at least ten (10) years of significant professional experience in a relevant field, or a Master’s Degree (or foreign degree equivalent) plus at least five (5) years of significant professional experience in a relevant field, may be considered.
- Evidence of effective teaching is required
- Prior teaching experience at the university level is desirable

How to apply

Application review will begin February 4, 2019 and continue until the position is filled. Screening of applications will begin immediately and will continue until the position is filled.

To apply, please visit <http://rpijobs.rpi.edu/postings/6153>. You will complete a short online contact form, and you will be asked to upload the following:

- a letter of interest
- a resume or curriculum vitae
- a statement of teaching, including evidence of effective teaching
- work samples: such as an online portfolio, a list of shipped titles, or a research statement. (Please use one of the “Optional Application Documents” for this purpose)
- a diversity statement (please use the next “Optional Application Documents” for this purpose)

In addition, please be prepared to enter the names and email addresses for three (3) references who will be asked to upload a confidential letter of recommendation to your application. Please contact: Kim Osburn (osburk@rpi.edu) with questions.

We welcome candidates who will bring diverse intellectual, geographical, gender, and ethnic perspectives to Rensselaer’s work and campus communities. Rensselaer Institute is an Affirmative Action/Equal Opportunity Employer.

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:

- **Information Sciences and Technologies Department:** Multiple non-

tenure track Lecturer positions with the ability to teach a broad range of courses in user interface and user experience design and implementation (#4291BR); web and mobile computing (4070BR); and basic and advanced programming (#4072BR)

- **Computer Science Department:** Non-tenure track Lecturer with the ability to contribute to the academic mission of the department and be responsible for course preparations, formal classroom and lab teaching, new lecture and lab course development in the areas of introductory and core Computer Science (#4241BR)
- **Computing Security Department:** Tenure-track Assistant Professor whose research focuses are in, but not limited to, privacy, usable security, threat modeling, malware and digital forensics, network and system security, and applications of Artificial Intelligence and Machine Learning in computing security. This is an anticipated opening for Fall 2019 (#4214BR)
- **Information Sciences and Technologies Department:** Two postdoc positions working primarily in the areas of AI/machine learning and who will be responsible for developing advanced machine learning models to support complex decision-making. These are grant funded positions (#4180BR)
- **School of Interactive Games and Media:** 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

Professional Opportunities

engines and systems; game design and development; web development; physical computing; aesthetic/creative computing; digital audio/sound design (#4021BR)

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](#).

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](#) or the U.S. Department of Education at [ED.Gov](#)

Rutgers Business School

Tenure-track assistant professor position in Machine Learning and Data Science

The Management Science and Information Systems (MSIS) Department of Rutgers Business School - Newark and New Brunswick invites applications for a tenure-track position at the assistant professor rank to start in September 2019. This position targets the area of information systems with special consideration given to applicants with expertise in the broader field of machine learning and data science.

The MSIS department is conducting cutting-edge research in areas of computer science, statistics, and operations research. Our faculty includes experts working in applications and foundations in data mining, security, privacy, and cryptography, machine learning and all aspects of optimization and statistics.

Successful applicants must have a strong record of research accomplishments as demonstrated by publications in very competitive conference proceedings and leading research journals demonstrating the ability to build a body of recognized work suitable for tenure at a research university. They are expected to have completed a Ph.D. degree or equivalent prior to September 2019.

Candidates are expected to develop an

extramurally-funded active research program that will incorporate graduate and undergraduate students. Candidates must be dedicated to providing quality instruction and undertake independent scholarly activity appropriate for advancement within Rutgers University.

The department offers undergraduate programs in Business Analytics and Information Technology and Management Information Systems in New Brunswick and Newark campuses, respectively, as well as Masters in Information Technology and Analytics. It also contributes to the MBA and Quantitative Finance programs by offering courses in the Optimization, Information Systems, Business Analytics, and Information Technology areas. In addition, it coordinates the tracks in Operations Research and Information Technology of the doctoral program.

Interested candidates should submit their application online at: <http://jobs.rutgers.edu/postings/77690> posting number 18FA0697.

The deadline for applications is January 15, 2019.

All offers of employment are contingent upon successful completion of all pre-employment screenings. Rutgers is an EEO/AA Employer.

For more information, contact department coordinator Ms. Luz Kosar at: kosar@business.rutgers.edu.

Rutgers University, Camden

tenure-track Assistant Professor

The Department of Computer Science at Rutgers University, Camden (<http://cs.camden.rutgers.edu>) invites applications for a full-time, tenure-track Assistant Professor position to begin September 1, 2019. We welcome applicants in all areas of specialization. We especially encourage candidates in applied areas, such as Databases, Distributed Systems, Cybersecurity, Computer Networks, Artificial Intelligence, and Machine Learning. The successful candidate must establish an active and successful research program supported by external funding and demonstrate a strong commitment to excellence in teaching. The normal teaching load is 2-2; new assistant professors may receive a one course reduction. The candidate will be expected to teach a variety of courses, mentor student research, and contribute broadly to the academic life of the department and the School of Arts and Sciences. Candidates must have completed all Ph.D. requirements by the start date.

The department offers Bachelor's and Master's degrees in Computer Science. The candidate will also have the opportunity to become a member in the Center for Computational and Integrative Biology (CCIB), an interdisciplinary research center for bridging experimental and computational approaches in quantitative biology. The CCIB has doctoral and Master's programs in Computational

and Integrative Biology.

Prospective candidates must submit an application that includes a cover letter, curriculum vitae, research statement, teaching statement, and names of at least three references to the Computer Science Search Committee. Applications submitted by March 1, 2019 will receive maximum consideration, but the committee will continue to accept applications until the position is filled. Please submit all material electronically at <https://jobs.rutgers.edu/postings/83128>.

Inquiries may be directed to Suneeta Ramaswami, Search Committee Chair, suneeta.ramaswami@rutgers.edu.

Santa Clara University

Assistant/Associate/Full Professor of Computer Engineering

Job Description

The Department of Computer Engineering at Santa Clara University invites applications for tenure-track Assistant/Associate/Full Professor positions starting in the 2019-2020 academic year. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specialization in parallel and distributed computing, human-computer interaction, programming languages, visualization, data science, database systems, artificial intelligence, and security. However, Silicon Valley is an area of broad and ever-changing

technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.

Santa Clara University (<https://www.scu.edu>) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and ranked second among all master's universities in the West by U.S. News and World Report, Santa Clara University is California's oldest operating institution of higher-education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University's mission to 'fashion a more humane, just and sustainable world'.

SCU maintains small class sizes and promotes close faculty/student interaction. The University enrollment is approximately 5,500 undergraduate and 3,700 graduate students. The Department (<http://www.scu.edu/engineering/cse/>) offers B.S., M.S. and Ph.D. degrees, with 22 full-time faculty, and a strong pool of approximately 30 part-time adjunct faculty who instruct about 400 undergraduate majors, and about 550 part-time and full-time graduate (M.S. and Ph.D.) majors. The School of Engineering maintains strong ties to local industry.

Job Requirements

Applicants must hold a doctorate in computer science, computer engineering, or in a closely related field; have demonstrated a strong potential for high-quality research in computing; and have a strong commitment and ability to teach

at both the undergraduate and graduate levels. The full-time teaching load is normally seven quarter-level course equivalents per academic year (including lectures and supervision of labs, theses and projects), distributed across three quarters of ten weeks each. However, course release(s) may be approved for faculty actively involved in research.

The proposed start date is September 1, 2019.

Applicants should submit detailed CVs, statements of research interests, statements of teaching interests, and names and contact information of three professional references. All materials should be submitted online at <https://jobs.scu.edu/postings/8071>, or <https://jobs.scu.edu/postings/8072>.

Review of applications will begin upon receipt and complete application packets received by January 20, 2019 will receive full consideration. However, the search will remain open until the position is filled.

EEO / AA Policy:

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

individual with a disability, or other protected category in accordance with applicable law. The University will provide reasonable accommodations to individuals with a disability.

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

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

Simon Fraser University: School of Computing Science

Tier 1 Canada Research Chair (CRC) in Information Visualization

Location: Burnaby

Open Date: Dec 14, 2018

Deadline: Feb 15, 2019 at 11:59 PM Eastern Time

Description

Tier 1 Canada Research Chair (CRC) in Information Visualization

Simon Fraser University (SFU) is actively building a diverse, inclusive community and invites applications for an NSERC

Tier 1 Canada Research Chair (CRC) in Information Visualization within the School of Computing Science. This appointment opportunity is limited to candidates at the rank of Full Professor. Tier 1 Chairs are intended for outstanding researchers acknowledged by their peers as world leaders in their fields.

We are seeking a candidate with a prominent international profile and established world-class research program in information visualization, human computer interaction, and interactive technologies. Candidates are expected to have a record of excellence in research, graduate student supervision, training of postdoctoral fellows, and teaching at the undergraduate and graduate levels. In addition, they are expected to have an outstanding record of securing external research funding from national granting agencies and through national and international industry collaborations. Applicants with a commitment to the advancement of women and other underrepresented groups in computer science will be given priority. SFU requires a Ph.D. in computer science or related area.

This position is contingent upon the applicant receiving a Tier 1 Canada Research Chair; therefore, only senior investigators with outstanding research outputs (e.g., publication record, patents, prototypes, knowledge mobilization activities, performing arts activities, non-traditional forms of scholarship) relevant to their discipline, will be considered. The position is subject to the availability of funding and to final approval by the University Board of Governors and the Tri-

Agency Institutional Programs Secretariat (TIPS). This Tier 1 CRC is tenable for seven years and may be renewed for a second term. Interested applicants are invited to review the initial appointment and chair renewal details of the CRC Program at:

<http://www.chairs-chaire.gc.ca/>

SFU is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has been consistently ranked among the top computer science departments in Canada and internationally. The School currently has 56 faculty members, 350 Ph.D. and M.Sc. students, and 2,000 undergraduate majors.

To apply, please submit your curriculum vitae, research and teaching statements, and the names and email addresses of six referees. Your research and teaching statements should include an outline of the proposed CRC research program over seven years, an explanation of how the proposed research aligns with and advances SFU's 2016-2020 Strategic Research Plan, and a discussion of how this Chair would strengthen graduate training at SFU.

The deadline for receiving the complete application is February 15, 2019. Any general inquiries regarding this posting may be directed to Dr. Mohamed Hefeeda, the Director of the School of Computing Science, mhefeeda@sfu.ca.

SFU recognizes that alternative career paths and/or career interruptions (e.g. maternity leave, leave due to illness) can impact research achievements and commits to ensuring that leaves

are taken into careful consideration. Candidates are encouraged to highlight how alternative paths and/or interruptions have impacted them in their application. SFU also recognizes the value of mentoring and research training, outreach, professional service, and nontraditional areas of research and/or research outputs; demonstrated experience in increasing diversity in the previous institutional environment, and in curriculum, is also an asset.

SFU is an institution whose strength is based on our shared commitments to diversity, equity, and inclusion. Diversity is an underlying principle of our Strategic Vision, which pledges SFU to "foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty, staff, and our community." SFU is committed to ensuring that no individual is denied access to employment opportunities for reasons unrelated to ability or qualifications. Consistent with this principle, SFU will advance the interests of underrepresented members of the work force, specifically Indigenous peoples, persons with disabilities, racialized persons, and women; embrace gender and sexual diversity; ensure that equal opportunity is afforded to all who seek employment at the University; and treat all employees equitably. Candidates that belong to underrepresented groups are particularly encouraged to apply.

SFU offers several benefits and services aimed at creating a more inclusive and accessible campus community for faculty, please see the Faculty Relations, Benefits

and Service page for more details. SFU is also committed to ensuring that the application and interview process is accessible to all applicants; if you require accommodations or have questions about SFU benefits, services, accommodations policies, or equity considerations please contact Catherine Stoddard, Director of Equity, Diversity and Inclusion at catherine_stoddard@sfu.ca.

Under the authority of the University Act, personal information that is required by the University Academic Appointment Competitions will be collected. For further details see the Collection Notice at:

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

Simon Fraser University: School of Computing Science

*Tier 2 Canada Research Chair (CRC) -
Computer Graphics*

Location: Burnaby

Open Date: Dec 14, 2018

Deadline: Feb 15, 2019
at 11:59 PM Eastern Time

Description

Simon Fraser University (SFU) is actively building a diverse, inclusive community and invites applications for an NSERC Tier 2 Canada Research Chair (CRC) in Computer Graphics within the School of Computing Science. This CRC appointment opportunity is intended for emerging scholars at the rank of assistant or

associate professor (or those who possess the necessary qualifications to be appointed to these levels).

We are seeking a candidate with a prominent international profile in the areas of computer graphics, 3D scene analysis and understanding, computer vision, and AR/VR content generation. Candidates are expected to have an excellent research program with a strong publication record. Applicants with a commitment to the advancement of women and other underrepresented groups in computer science will be given priority. SFU requires a Ph.D. in computer science or related area.

This position is contingent upon the applicant receiving a Tier 2 Canada Research Chair. The position is subject to the availability of funding and to final approval by the University Board of Governors and the CRC Secretariat. The Canada Research Chair is tenable for five years and may be renewed once. Tier 2 Chairs are intended for exceptional emerging scholars (i.e., candidate must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from their highest degree (and where career breaks exist, including maternity leave, extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 CRC assessed through the program's Tier 2 justification process. Please see the CRC website for eligibility, initial appointment, and chair renewal details at:

http://www.chairs-chaire.gc.ca/program-programme/nomination-mise_

[en_candidature-eng.aspx#s2](#)

SFU is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has been consistently ranked among the top computer science departments in Canada and internationally. The School currently has 56 faculty members, 350 Ph.D. and M.Sc. students, and 2,000 undergraduate majors.

To apply, please submit your curriculum vitae, research and teaching statements, and the names and email addresses of four referees. Your research and teaching statements should include an outline of the proposed CRC research program over seven years, an explanation of how the proposed research aligns with and advances SFU's 2016-2020 Strategic Research Plan, and a discussion of how this Chair would strengthen graduate training at SFU.

The deadline for receiving the complete application is February 15, 2019. Any general inquiries regarding this posting may be directed to Dr. Mohamed Hefeeda, the Director of the School of Computing Science, mhefeeda@sfu.ca.

SFU recognizes that alternative career paths and/or career interruptions (e.g., maternity leave, leave due to illness) can impact research achievements and commits to ensuring that leaves are taken into careful consideration. Candidates are encouraged to highlight how alternative paths and/or interruptions have impacted them in their application. SFU also recognizes the value of mentoring and research

training, outreach, professional service, and nontraditional areas of research and/or research outputs; demonstrated experience in increasing diversity in the previous institutional environment, and in curriculum, is also an asset.

SFU is an institution whose strength is based on our shared commitments to diversity, equity, and inclusion. Diversity is an underlying principle of our Strategic Vision, which pledges SFU to "foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty, staff, and our community." SFU is committed to ensuring that no individual is denied access to employment opportunities for reasons unrelated to ability or qualifications. Consistent with this principle, SFU will advance the interests of underrepresented members of the work force, specifically Indigenous peoples, persons with disabilities, racialized persons, and women; embrace gender and sexual diversity; ensure that equal opportunity is afforded to all who seek employment at the University; and treat all employees equitably. Candidates that belong to underrepresented groups are particularly encouraged to apply.

SFU offers several benefits and services aimed at creating a more inclusive and accessible campus community for faculty, please see the Faculty Relations, Benefits and Service page for more details at:

<https://www.sfu.ca/faculty-relations/benefits-services.html>

SFU is also committed to ensuring that the application and interview process is

accessible to all applicants; if you require accommodations or have questions about SFU benefits, services, accommodations policies, or equity considerations please contact Catherine Stoddard, Director of Equity, Diversity and Inclusion at catherine_stoddard@sfu.ca.

Under the authority of the University Act, personal information that is required by the University Academic Appointment Competitions will be collected. For further details see the Collection Notice at:

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

Stony Brook University

*Assistant/Associate/Full Professor
(Multiple Positions), Computer Science*

Required Qualifications:

Ph.D. in Computer Science or related field.

Preferred Qualifications:

Demonstrated history of excellence in research and teaching at the graduate and undergraduate levels.

Responsibilities & Requirements:

The Computer Science Department and the National Security Institute (NSI) at Stony Brook University invite applications for multiple tenure-track faculty positions in Cyber Security at the Assistant, Associate and Full Professor levels. Applications are processed on an ongoing basis until all positions are filled. The start date can be as early as spring 2019. Senior and junior candidates in all areas of

computer systems and security are invited to apply. We are particularly interested in cybersecurity spanning systems, networking, languages, privacy, big data, mobile, IoT, hardware, and clouds. All applicants should hold a Ph.D. in Computer Science or a closely related discipline and must demonstrate outstanding research accomplishments and potential. Senior-level positions target candidates with worldwide visibility and stellar research programs and come with the title of SUNY Empire Innovation Professor, enhanced salary and research support. The candidate will be joining a vibrant and friendly research team at the NSI. The Computer Science Department (<https://www.cs.stonybrook.edu>) is home to a highly-collaborative research community of over 50 faculty members and is expected to continue its fast growth in the coming years. The department's brand new building features over 70,000 sqft of laboratories and offices, augmented by additional space in the affiliated Center of Excellence in Wireless and Information Technology (CEWIT) with its 100,000 sqft state-of-the-art facility.

The Assistant/Associate/Full Professor will be responsible for teaching and research in Computer Science.

Special Notes:

This is a tenure track position. FLSA Exempt position, not eligible for the overtime provisions of the FLSA. Internal and external search to occur simultaneously. Anticipated Start Date: As soon as possible.

Pursuant to Executive Order 161, no State

entity, as defined by the Executive Order, is permitted to ask, or mandate, in any form, that an applicant for employment provide his or her current compensation, or any prior compensation history, until such time as the applicant is extended a conditional offer of employment with compensation. If such information has been requested from you before such time, please contact the Governor's Office of Employee Relations at (518) 474-6988 or via email at info@goer.ny.gov.

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

The selected candidate must successfully clear a background investigation.

Application Procedure:

Applicants should submit a State Employment Application, and apply online by clicking the following link:

<https://hiring.cs.stonybrook.edu>

Electronic submission is highly preferred. Alternatively, Mail-In Applications to the departmental address below.

Search Chair
Assistant/Associate/
Full Professor (9720) Search
Department of Computer Science
New Computer Science Building, Room 101
Stony Brook University
Stony Brook, NY 11794-2424

Campus Description:

Stony Brook University, home to many highly ranked graduate research

programs, is located 60 miles from New York City on Long Island's scenic North Shore. Our 1,040-acre campus is home to 24,600 undergraduate, graduate, and doctoral students and more than 13,500 faculty and staff, including those employed at Stony Brook Medicine, Suffolk County's only academic medical center and tertiary care provider. The University is a member of the prestigious Association of American Universities and co-manager of nearby Brookhaven National Laboratory (BNL), a multidisciplinary research laboratory supporting world class scientific programs utilizing state-of-the-art facilities such as the Relativistic Heavy Ion Collider, the National Synchrotron Light Source, and the Center for Functional Nanomaterials, and the New York Blue IBM BG/L+P supercomputer, owned by Stony Brook and managed by BNL. Stony Brook is a partner in managing the Laboratory for the Department of Energy and is the largest institutional scientific user of BNL facilities. As such, many opportunities exist for collaborative research, and in some cases, joint appointments can be arranged.

Official Job Title: Assistant/Associate/Full Professor (Multiple Positions)

REF#: F-9720-18-08-F

Campus: Stony Brook West Campus

Department: Computer Science

Salary: Commensurate with Experience

Posting Start Date: 08/14/2018

Posting End Date: 02/15/2019

Applications for this position must be received, as specified in the Application Procedure Section, no later than 5:00 PM Eastern Time on 02/15/2019, unless specifically noted otherwise in the Special Notes Section.

STONY BROOK UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER. WE ENCOURAGE PROTECTED VETERANS, INDIVIDUALS WITH DISABILITIES, WOMEN, AND MINORITIES TO APPLY. IF YOU NEED A DISABILITY-RELATED ACCOMMODATION, PLEASE CALL THE UNIVERSITY HUMAN RESOURCE SERVICES DEPARTMENT AT (631) 632-6161 OR THE UNIVERSITY HOSPITAL HUMAN RESOURCES DEPARTMENT AT (631) 444-4700. IN ACCORDANCE WITH THE TITLE II CRIME AWARENESS AND SECURITY ACT, A COPY OF OUR CRIME STATISTICS IS AVAILABLE UPON REQUEST BY CALLING (631) 632-6350. IT CAN ALSO BE VIEWED ON-LINE AT THE UNIVERSITY POLICE WEBSITE AT <http://www.stonybrook.edu/police>

For a full position description or application procedure, visit:

www.stonybrook.edu/jobs

(Req. # F-9720-18-08-F)

Texas A&M University

Assistant, Associate, and Full Professors - Department of Computer Science and Engineering

CSE invites applications for multiple tenure-track positions at the assistant, associate, and full professor levels. Candidates are being sought in the areas of theory, systems, software,

human-centered computing, data science, artificial intelligence, robotics, and computer science education. Exceptional candidates in other areas are also welcome to apply. Successful candidates will be expected to teach at the undergraduate and graduate levels, develop an independent, externally funded research program, advise graduate students, participate in all aspects of the department's mission, and serve the profession. Applicants must have earned a doctorate in computer science, computer engineering or a closely related field.

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of four references (including postal addresses, phone numbers, and email addresses) by applying for this specific position at www.tamengineeringcareers.org. The review process will begin immediately. Applications will be considered until positions are filled. It is anticipated the appointment will begin fall 2019.

Computer Science and Engineering at Texas A&M is currently one of 14 departments in the College of Engineering. Many of the 48 tenured/tenure-track faculty and 11 teaching-focused faculty holds a number of national distinctions, including ACM, IEEE, AAAS, and SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program with half the faculty having received NSF CAREER/NYI/PYI awards. Our student population is comprised of nearly 1,100 undergraduate students (sophomore to senior level) and over 400 graduate

students. More information about CSE is available at <http://www.cse.tamu.edu>.

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

Texas A&M University is located in the twin cities of Bryan and College Station, TX, with a population of more than 255,500, and is conveniently located in a triangle formed by Dallas, Houston, and Austin. Texas A&M has more than 68,600 graduate and undergraduate students enrolled. Research expenditures at Texas A&M total more than \$892 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than \$11.5 billion, the university ranks third among U.S. public universities and eighth overall. Texas A&M is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and having policies that contribute to work-life balance.

For more information visit <http://dof.tamu.edu/Faculty-Resources/CURRENT-FACULTY/Faculty-Work-Life>. With over 650 faculty members and more than 20,000 students, the College of Engineering is one of the largest engineering schools in the country. The college is ranked seventh in graduate studies and eighth in undergraduate programs among public institutions by

U.S. News & World Report, with six of the college's 14 departments ranked in the Top 10. The college is also ranked second in research expenditures by the American Society for Engineering Education.

Texas A&M University

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

The College of Engineering at Texas A&M University invites applications for the position of professor and head of the Department of Computer Science and Engineering. The college is seeking a dynamic, innovative, and visionary leader who can continue to increase the rate of advancement the department has achieved in recent years. The successful applicant will be an innovative thinker with a strategic vision for guiding the department to a higher level of excellence that can communicate this vision to a constituency that includes academia, government, industry, and alumni. The candidate must have notable accomplishment and experience in research, academic or industry leadership, teaching, and scholarship.

Applicants are invited to consult the department's website to review our academic and research programs (<http://www.cse.tamu.edu>). Applicants must have an earned doctorate in computer science, computer engineering, or a related field; possess proven leadership and administrative skills; and have an established reputation as a scholar, consistent with an appointment

to the rank of professor of computer science and engineering with tenure.

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of four references (including postal addresses, phone numbers, and email addresses) by applying for this specific position at <http://www.tamengineeringcareers.org>. The review process will begin immediately. Full consideration will be given to applications beginning immediately. It is anticipated the appointment will begin September 1, 2019.

Computer Science and Engineering at Texas A&M is currently one of 14 departments in the College of Engineering. Many of the 48 tenured/tenure-track faculty and 19 teaching-focused faculty hold a number of national distinctions, including Association for Computing Machinery (ACM), Institute of Electrical and Electronics Engineers (IEEE), American Association for the Advancement of Science (AAAS), and Society for Industrial and Applied Mathematics (SIAM) Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program with half the faculty having received National Science Foundation (NSF) CAREER/NSF Young Investigator/Presidential Young Investigator awards. Our student population is comprised of nearly 1,100 undergraduate students (sophomore to senior level) and over 400 graduate students.

Texas A&M University is located in the twin cities of Bryan and College Station, TX, with a population of more than 255,500, and is conveniently located in

a triangle formed by Dallas, Houston, and Austin. Texas A&M has more than 68,600 graduate, and undergraduate students enrolled. Research expenditures at Texas A&M total more than \$892 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than \$11.5 billion, the university ranks third among U.S. public universities and eighth overall. Texas A&M is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and having policies that contribute to work-life balance. For more information visit <http://dof.tamu.edu/Faculty-Resources/CURRENT-FACULTY/Faculty-Work-Life>. With over 650 faculty members and more than 20,000 students, the College of Engineering is one of the largest engineering schools in the country. The college is ranked seventh in graduate studies and eighth in undergraduate programs among public institutions by U.S. News & World Report, with six of the college's 14 departments ranked in the Top 10. The college is also ranked second in research expenditures by the American Society for Engineering Education.

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

Towson University

The Jess and Mildred Fisher College of Science and Mathematics

Department of Computer and Information Sciences

Assistant Professor

Two full-time, tenure-track, 10-month Assistant Professor positions in the Department of Computer and Information Sciences beginning August 2019. The positions are in two general areas:

Cybersecurity (with a focus on Systems) – Towson University leads in the nation in Cybersecurity education and research. The department is a NSA/DHS National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) since 2002. In 2013, Towson was designated as a NSA CAE in Cyber Operations, one of only nineteen such institutions in the nation. More about cybersecurity at Towson University can be found at www.towson.edu/cyber.

A successful candidate will have expertise in teaching and research in one or more of the following areas: systems administration (Linux and Windows), network administration and security, SCADA systems, forensics, and/or application security. **Software Engineering** – The department offers software engineering specializations at both the undergraduate and graduate levels along with active software engineering research groups. A successful candidate will be able to establish strong teaching and research records in one or more of the following

areas: mobile, web and cloud engineering, software architecture, testing, parallel and distributed systems and/or secure software engineering. PhD, or comparable terminal degree, in Computer Science or a related field. Teach undergraduate and graduate courses, develop strong research programs, mentor undergraduate and graduate students, apply for external funding and participate in department activities.

Review of applications begins January 2, 2019 and continues until the position is filled. FCSM-N-3232

To Apply:

<https://www.towson.edu/fcsm/departments/computerinfosci/facultystaff/newpositions.html>

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/>.

Applications will be accepted and reviewed until the position is filled.

Trinity College is an Equal-Opportunity/Affirmative-Action employer.

University at Albany

Associate Professor of Informatics/Data Analytics

The College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC) at the University at Albany is seeking applicants for an Associate Professor position in the field of data analytics. A successful candidate is expected to have a publication record using data analytic methods to answer basic or applied social questions, a track record of external funding and plans for future funding and research. Experience in developing or managing an academic program or collaboration effort is also desired. The candidate's focus within data analytics is open, but may include: Bayesian methodologies, machine/statistical learning, geospatial prediction, causal inference, network analysis, data visualization, mathematical modeling and simulation, or related techniques. We also seek experience creating an inclusive research, teaching, and mentoring environment for students from varied backgrounds in our Informatics BS core curriculum and within the Data Analytics concentration, our Information Science MS concentration in Data Analytics and our Information Science PhD. The successful candidate is expected to: teach existing undergraduate and graduate classes at a variety of levels that span both theoretical and applied data

analytics; to develop new courses; and to assist in strengthening the data analytics curriculum across all areas of the college.

Requirements:

The successful candidate will hold a PhD in an appropriate field such as data analytics, informatics, information studies, information science, computer science, or allied field from a college or university accredited by the US Department of Education or an internationally recognized accrediting organization.

A research and publication record appropriate for tenure at the Associate level at a research-intensive University.

The applicant must be able to teach at both the graduate and undergraduate levels and contribute to the core curriculum in the undergraduate Informatics major and minor as well as the Information Science graduate programs.

Applicants must address in their application their ability to work with culturally diverse populations.

To apply and for further details, visit: <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=106094>

The University at Albany is an EO/AA/IRCA/ADA employer.

University of Albany

The College of Emergency Preparedness, Homeland Security and Cybersecurity

Lecturer

The College of Emergency Preparedness, Homeland Security and Cybersecurity

(iCEHC) invites applications for the position of Lecturer with the Master's in Information Science School Library (ISSL) program. iCEHC Lecturers are responsible for student development and delivery of educational and instructional programs. They participate in College activities, serve on committees, attend faculty meetings, and participate in graduation. (S)he will also develop curriculum and the program generally. Lecturer typically teach three courses per semester.

The Master of Science Information Science School Library is a 36-credit online program, registered by the State Education Department and accredited by the American Library Association. The curriculum is grounded in current educational theory and learning sciences. Students learn how to create authentic, relevant, equitable, and safe learning environments for 21st-century learners.

The University at Albany and the State of New York are committed to seeing the College become a global leader in education and research in these fields, and are providing significant support to the establishment and planned growth of the unit.

To apply and for further details, visit: <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=105798>

The University at Albany is an EO/AA/IRCA/ADA employer.



UNIVERSITY OF CALIFORNIA
SANTA CRUZ



Ongoing Lecturer Pool

The Department of Computer Science and Engineering [<https://www.soe.ucsc.edu/departments/computer-science- and-engineering>] at the University of California, Santa Cruz (UCSC) invites applications for an ongoing pool of full-time and part-time Lecturers to teach courses in computer science/engineering and technology management. Computer science/engineering course topics include, but are not limited to, all areas of computer science and engineering: algorithms, analysis of algorithms, animation & visualization, architecture, artificial intelligence, assistive technology, computer literacy, computer programming, computer system design, database systems, data structures, digital design, embedded systems, graphics, machine learning, mobile and cloud computing, networks, security, sensor technology, and software engineering. Technology management course topics include, but are not limited to, knowledge management, information retrieval (or data mining), information technology systems design, operations research, entrepreneurship, services engineering, and product development. Outstanding candidates with experience to teach courses in one or more of the above areas are encouraged to apply. The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their teaching and other assigned duties. Appointments are temporary positions with end dates and generally made one quarter at a time, based on the changing curricular needs of the department.

ACADEMIC TITLE

Lecturer

SALARY

Commensurate with qualifications and experience and the particular courses the Lecturer is appointed to teach. Compensation for Summer Session courses may vary from courses taught during the academic year.

BASIC QUALIFICATIONS

- M.B.A., M.S. Degree (or equivalent foreign degree) in Computer Engineering, Computer Science, Economics, Electrical Engineering, Industrial and Systems Engineering, Management, Operations Research, Statistics, or closely related or relevant field at the time of application.
- Teaching experience demonstrated by college level teaching experience, TA experience, research presentations, and/or professional development training seminars.

POSITION AVAILABLE

Appointments are contingent on the hiring unit's instructional need and the availability of funding. Appointments are typically made during one or more quarters of the regular academic year (fall, winter, and spring quarters). Appointments may also be made during Summer Session.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system. All documents and materials must be submitted as PDFs.

APPLY AT <http://apptrkr.com/1347787>

Please refer to Position # JPF00626-19P in all correspondence.

DOCUMENTS/MATERIALS

- Letter of application that briefly summarizes your qualifications and interest in the position (required)
- Curriculum vitae (required)
- Teaching statement that clearly outlines your teaching experience and teaching interests (required)
- Statement that addresses past or potential contributions to diversity through teaching (required) Guidelines on diversity statements can be viewed at <https://senate.ucsc.edu/committees/caad-committee-on-affirmative-action-and-diversity/DivStateGuidelines.pdf>
- Up to three sets of teaching evaluations (optional)
- Up to three samples of course materials (optional)

REFERENCE REQUIREMENT

Applications must include three confidential letters of recommendation*. Note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

RECRUITMENT PERIOD

Applications for this recruitment will be accepted through June 1, 2020. This recruitment is valid for initial appointments (i.e., not reappointments) that occur during the period of winter quarter 2019 through spring quarter 2021. Initial appointments made after this period must be made through other recruitments.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.ucscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at <mailto:apo@ucsc.edu> (831) 459-4300.

University of California, San Diego

Multiple Positions in the Halicioglu Data Science Institute

The University of California, San Diego invites applications from outstanding candidates for multiple tenure-track/tenured faculty positions for primary appointment at the Halicioglu Data Science Institute (hdsi.ucsd.edu) with optional joint appointment in another academic department.

The University of California, San Diego is committed to academic excellence and diversity within the faculty, staff and student body. A PhD in Computer Science, Math, Economics, Engineering or related discipline is required at the time of application. Salary and rank will be commensurate with qualifications in conformance with University of California policies. Successful appointees will have a track record of scientific accomplishments, excellence in teaching, a commitment to university service, and a commitment to support diversity, equity, and inclusion at the university. Applicants will be expected to teach graduate and undergraduate students in the Data Science major/minor degree programs offered by the Institute. In case of a partial joint appointment with another department, the teaching workload would include appropriate course work in the participating department.

About the Halicioglu Data Science Institute: Data Science has emerged as an area central to advances in our understanding of nature, improving the

quality life and a healthy society. Data collection, stewardship, and analyses are already integrated into the infrastructure for commerce, healthcare, governance, and education. These ubiquitous practical uses of digital data have raised awareness of the need to further develop the underlying scientific and technological basis for understanding and exploiting data. UC San Diego is pursuing a strategy for advancing Data Science that builds upon its unique strengths in creating interdisciplinary research areas that span multiple disciplines and departments. Funded with a \$75M endowment, the mission of the Halicioglu Data Science Institute (HDSI) is to explore the scientific foundations for the new field of data science. These foundations include the principles, methods, and tools that will enable us to understand the nature of digital data, and also the intersections between this new field and existing disciplines of human enquiry. HDSI is a new strategic academic institute tasked with hosting and coordination of Data Science research and education activities at the University of California, San Diego. Among HDSI academic programs are a Data Science major and minor currently with nearly 600 undergraduate students. Prospective HDSI faculty members will have the option of a joint appointment with one or more academic departments of the University in order to bolster the interdisciplinary nature of Data Science.

We encourage candidates to send applications as soon as possible. Review of applications will begin January 17, 2019 and continue until the position is filled. UC San Diego is an Equal Opportunity/

Affirmative Action Employer with a strong institutional commitment to excellence through diversity.

Applications must be submitted electronically through the AP-Online Recruit websites:

Assistant

<https://apol-recruit.ucsd.edu/apply/JPF01984>

Associate or Full Professor

<https://apol-recruit.ucsd.edu/apply/JPF01994>

University of Chicago Urban Labs

Data Science Post-Doctoral Research Fellow

The University of Chicago Crime Lab is a faculty-driven research center that tries to improve social conditions in American cities by partnering closely with government agencies to carry out the highest-quality scientific studies. We are seeking a full-time one- or two-year data science postdoctoral research fellow to contribute scientific and intellectual leadership to our portfolio of projects applying machine learning to public policy. The Postdocs will carry out self-directed research and contribute to the intellectual community of the Crime Lab by, for example, interacting with research staff and senior faculty members. There may also be possibilities for postdoctoral fellows to take on leadership roles for research projects with government

agency partners. This position can be based in either Chicago or New York City, and applicants must have (or be close to receiving) a Ph.D. in computer science, statistics, economics, or other related field with substantial research experience.

For more information and to apply [click here](#).

University of Chicago

Lecturers in Computational Social Science

The Division of Social Sciences at the University of Chicago invites applications for a position as Lecturer in Computational Social Science ([macss.uchicago.edu](#)). This is a full-time, career-track teaching position beginning in the 2019-20 academic year. The initial two-year appointment is renewable with opportunity for promotion. Salary and benefits are competitive with tenure-track positions for computational researchers. The Lecturer is responsible for teaching in the MA program in Computational Social Science (MACSS), providing academic and career guidance to students, and contributing to the academic administration of the program.

Requirements: PhD in sociology, economics, political science, psychology, data science, computer science, or a related discipline; experience conducting social scientific research using machine learning or computational methods; programming experience using R and/or Python. Industry experience is also valued. Lecturers must have the PhD in hand by September 1, 2019.

The Lecturer will teach five graduate courses per year in the MACSS curriculum. At least three will cover important computational methods or questions of research design. The possibilities include a graduate introduction to social scientific inquiry; digital surveys and experiments, including A/B testing; machine learning and statistical modeling; neural networks and deep learning; Bayesian statistical inference; large-scale data storage and processing such as Spark and Hadoop; or research ethics and digital privacy. The successful applicant will also design and teach courses in their discipline or substantive area of expertise, tailored to the interests of master's and doctoral students in the Division of Social Sciences.

In addition to teaching, the Lecturer will advise master's students; evaluate occasional master's theses; hire and manage teaching assistants; participate in program admissions, staff hiring, and student recruitment; help train doctoral-student Preceptors; attend the Computational Social Science Workshop; and contribute to the intellectual life and administrative needs of the master's program. The Lecturer position includes support for professional development, and the Lecturer will participate in a dynamic community of social science researchers.

Applicants must apply on the University of Chicago's Academic Career Opportunities website at <https://tinyurl.com/y9ovtljm>. The following materials must be submitted: 1) a cover letter, outlining the applicant's prior computational training, prior teaching and/or mentoring experience, and suggested course

offerings in our MA program; 2) a curriculum vitae; 3) an article-length writing sample, applying a computational research design; 4) at least one course syllabus, from prior teaching or with an eye to future offerings; 5) course evaluations or other evidence of past excellence in teaching and/or mentoring; and 6) three letters of reference.

We will begin reviewing applications January 2 and will continue until the positions are filled. Later applicants are welcome to contact our Managing Director, Chad Cyrenne (cmcyrenn@uchicago.edu), for updates on the status of the search. This position will be part of the Service Employees International Union.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination at http://www.uchicago.edu/about/non_discrimination_statement/. Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email ACOppAdministrator@uchicago.edu with their request.

University of Chicago

Senior Lecturers in Computational Social Science

The Division of Social Sciences at the University of Chicago invites applications for a position as Senior Lecturer in Computational Social Science (macss.uchicago.edu). The Senior Lecturer is responsible for teaching in the MA program in Computational Social Science (MACSS) and contributing to curricular design, program development, and student support.

This is a full-time, career-track position beginning in the 2019-20 academic year. The initial three-year appointment is renewable contingent upon satisfactory performance review. Salary and benefits are fully competitive with tenure-track positions for computational social scientists.

Requirements: PhD in sociology, economics, political science, psychology, data science, computer science, or a related discipline; experience conducting social scientific research using machine learning or computational methods; programming experience using R and/or Python. Industry experience is also valued. Senior Lecturers must have the PhD in hand by September 1, 2019. Demonstrated record of outstanding effectiveness as a teacher is required.

The Senior Lecturer will teach five graduate courses per year in the MACSS curriculum. At least three will cover important computational methods or questions of research design. The possibilities include a graduate introduction to social scientific inquiry; digital surveys and experiments,

including A/B testing; machine learning and statistical modeling; neural networks and deep learning; Bayesian statistical inference; large-scale data storage and processing such as Spark and Hadoop; or research ethics and digital privacy. The successful applicant will also design and teach courses in their discipline or substantive area of expertise, tailored to the interests of master's and doctoral students in the Division of Social Sciences.

In addition to teaching, the Senior Lecturer will work collaboratively with members of the Faculty to refine the curricular design and requirements of the master's program; lead course development for our core sequence Perspectives in Computational Analysis; help develop relationships with other computational centers on campus and in industry; participate in program admissions, staff hiring, and student recruitment; advise master's students; evaluate occasional master's theses; hire and manage teaching assistants; help train doctoral-student Preceptors; participate in the Computational Social Science Workshop; and contribute to the intellectual life and administrative needs of the master's program.

The Senior Lecturer position includes support for professional development, and opportunities to participate in the intellectual life of the Division. Those opportunities include Workshops in the Department of Economics, the Booth School of Business, Sociology, Political Science, Psychology, the Law School, the Harris School of Public Policy, Computer Science, the Becker Friedman Institute, the Mansueto Institute for Urban

Innovation, and the Toyota Technological Institute at Chicago.

Applicants must apply on the University of Chicago's Academic Career Opportunities website at <https://tinyurl.com/yclwtxuv>. The following materials must be submitted: 1) a cover letter, outlining the applicant's prior computational training, prior teaching and/or mentoring experience, and suggested course offerings in our MA program; 2) a curriculum vitae; 3) an article-length writing sample, applying a computational research design; 4) at least one course syllabus, from prior teaching or with an eye to future offerings; 5) course evaluations or other evidence of past excellence in teaching and/or mentoring; and 6) three letters of reference.

We will begin reviewing applications January 2 and will continue until the positions are filled. Later applicants are welcome to contact our Managing Director, Chad Cyrenne (cmcyrenn@uchicago.edu), for updates on the status of the search. First interviews will be conducted by video conference.

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

reasonable accommodation to complete the application process should call 773-702-0287 or email ACOppAdministrator@uchicago.edu with their request.

University of Georgia

Department of Computer Science

Lecturer in Computer Science

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

For more details and application information, please see <http://www.cs.uga.edu/news-and-events/hiring-non-tenure-track-lecturer-position>.

To apply, please go to <http://www.ugajobsearch.com/postings/58519>

Review of candidates will begin on February 15, 2019 and will continue until the position is filled.

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

University of Hawaii

Tenure-Track Assistant Professor Positions in Data Science, Security, and Cyberinfrastructure

Applications are invited for two tenure track Assistant Professors at the University of Hawaii at Manoa's Information and Computer Sciences (ICS) Department in the areas of Data Science, Security

Science, and Cyberinfrastructure. We are especially interested in candidates that tie the requested areas together, for example (1) Data Science and Security, and (2) Cyberinfrastructure for Data Science Applications. Collaboration with Data Science initiatives across campus is encouraged. For candidates combining Data Science and Cyberinfrastructure, experience working on data-intensive or computational problems using cyberinfrastructure in collaboration with a domain-specific area in the natural sciences, social sciences, engineering, humanities, business or other disciplines is desirable.

Exceptional candidates at higher ranks will also be considered.

A full position announcement with application instructions is available at <https://academicjobsonline.org/ajol/jobs/12654>. Please include a CV, names and contact email of three references, and statements of research and teaching interests and plans. Applications received by January 31, 2019 will receive full consideration.

Contact: Guylaine Poisson,
guylaine@hawaii.edu

University of Illinois at Chicago

Open-Rank Tenure-Track Faculty Positions - Computer Science

Located in the heart of Chicago, the Department of Computer Science at the University of Illinois at Chicago (UIC) invites applications for several full-time tenure-track positions at all ranks. All

candidates must have a PhD in Computer Science or a closely related field by the appointment's starting date. Candidates will be expected to demonstrate excellence in research and to teach effectively at the undergraduate and graduate levels.

We seek candidates in all areas of computing, with special but not exclusive interest in fields related to computer vision, machine learning/data science, human-computer interaction, systems/software engineering, programming languages and compilers, and applied cryptography. Applicants working at the intersection of computer science and related disciplines are also encouraged to apply.

Applications must be submitted at <https://jobs.uic.edu/>, and must include a curriculum vitae, teaching and research statements, and names and addresses of at least three references. Links to a professional website such as Google Scholar or ResearchGate are recommended. Applicants may contact the faculty search committee search@cs.uic.edu for more information. For fullest consideration, applications must be submitted by November 15, 2018. Applications will be accepted until the positions are filled.

The Department of Computer Science at UIC, which will be hiring between 20 and 35 new faculty in the next 6 years, has 36 tenure-system faculty and 4 research faculty with strong and broad research agendas, and 13 clinical/teaching faculty. The department is committed to building a diverse faculty preeminent in its

missions of research, teaching, and service to the community. Candidates who have experience engaging with a diverse range of faculty, staff, and students, and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

UIC is a major public research university (Carnegie R1) with about 2,800 faculty and over 31,000 students. UIC is committed to increasing access to education, employment, programs and services for all. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply. UIC is committed to supporting the success of dual-career couples.

Chicago epitomizes the modern, livable, vibrant, and diverse city. World-class amenities like the lakefront, arts and culture venues, festivals, and two international airports make Chicago a singularly enjoyable place to live. Yet the cost of living, whether in an 88th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is remarkably affordable. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Memphis

Assistant Professor Tenure Track

The Department of Computer Science at the University of Memphis is seeking candidates for multiple Assistant Professor positions beginning Fall 2019. Exceptionally qualified candidates in all areas of computer science are invited while candidates with core expertise in cyber human systems (including computer vision, speech recognition, computer graphics, and human computer interaction (HCI)) and CS education, are particularly encouraged to apply. Candidates from minority and underrepresented groups are highly encouraged to apply. Successful candidates are expected to develop externally sponsored research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels. Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is highly competitive and dependent upon qualifications.

The Department of Computer Science (www.cs.memphis.edu) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance, and participates in an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department has been ranked 55th among CS departments with federally funded research. The Department regularly engages in large scale multi university collaborations across the nation. For example, CS faculty lead the NIH funded Big Data "Center of Excellence for Mobile Sensor

Data to Knowledge (MD2K)" and the "Center for Information Assurance (CfIA)". In addition, CS faculty work closely with multidisciplinary centers at the university such as the "Institute for Intelligent Systems (IIS)".

Known as America's distribution hub, Memphis ranked as America's 6th best city for jobs by Glassdoor in 2017. Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees. Screening of applications begins immediately.

For full consideration, application materials should be received by November 25, 2018. However, applications will be accepted until the search is completed. To apply, please visit <https://workforum.memphis.edu/postings/20504>. Include a cover letter, curriculum vitae, statement of teaching philosophy, research statement, and three letters of recommendation. Direct all inquiries to Corinne 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 Nebraska-Lincoln

Assistant/Associate/Full Professor in Software Engineering

The Department of Computer Science and Engineering at the University of Nebraska - Lincoln invites applications for two tenured/tenure-track faculty

positions at all ranks (Assistant/ Associate/Full Professor) to begin Fall 2019 with an endowed chair position for an outstanding senior hire.

We seek faculty colleagues who can establish a strong scholarly research and teaching program in the field of software engineering. In addition to researchers in core software engineering areas, we also are interested in researchers who are open to bridging software engineering to other research strengths in the department/university.

Applicants for the Assistant Professor rank must have a demonstrated potential for outstanding research and a promise of effective teaching at the undergraduate through graduate levels including the advising of M.S. and Ph.D. students. Applicants for higher rank, in addition to demonstrated track record of outstanding research and effective teaching and mentorship, must have potential or a demonstrated track record of leadership in software engineering. Applicants should have earned a Ph.D. in Computer Science or related field before their start date.

UNL is committed to the continued growth of the CSE Department and will have multiple faculty openings in the coming years.

UNL is Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest Research Activity [Carnegie CIHE]. Lincoln is consistently ranked among the Nation's top cities for livability and quality of life.

To apply, complete the Faculty/ Administration application (Req.#F_180167) at <http://employment.unl.edu> and attach 1) a single-page cover letter explaining your interest in the position, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research and scholarship, and 5) a list of at least three references.

Review of applications will begin on Nov 15, 2018 and will continue until the position has been filled.

Direct questions to Prof. Stephen Reichenbach at reich@cse.unl.edu.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See <http://www.unl.edu/equity/notice-nondiscrimination>.

University of Nebraska-Lincoln

Assistant Professor of Practice- Software Engineering/Data Science (Two positions)

The Department of Computer Science and Engineering at the University of Nebraska-Lincoln seeks outstanding applicants for two Assistant Professor of Practice of Computer Science and Engineering positions to begin Summer 2019. One position is focused on Software Engineering, the other is focused on Data Science.

The Software Engineering position requires experience in introductory level teaching in software engineering, computer science, and/or computer engineering. The successful candidate for this position will join the faculty for the new Bachelors of Software Engineering degree at UNL. They will work with existing faculty to deliver, assess and refine our novel approach to software engineering education.

The Data Science position requires experience in teaching computer science and/or computer engineering. The successful candidate for the Data Science position will work with existing faculty to deliver, assess, and refine courses on algorithms, data modeling, data analytics, applied machine learning, and applied computing, as well as advanced-topic and capstone courses.

The Assistant Professor of Practice is a three-year renewable position, eligible for benefits. Such appointments are intended for instructors who are dedicated to becoming leaders in educational innovation and curriculum development, educational reform, and pedagogy. This is not a tenure-track position, but there is opportunity for promotion and advancement similar to that in a tenure-track position.

Candidates must have a doctorate in software engineering, computer science, computer engineering or a related field. Candidates must have a strong commitment to undergraduate teaching and previous effective teaching experience (as evidenced by evaluations

and demonstrated support of academic programs and student success). Candidates for the Software engineering position must also have experience in introductory level teaching in software engineering, computer science, and/or computer engineering. Strong oral presentation and communication skills are required. Candidates for the Software Engineering position ideally will have experience teaching software engineering courses at the post-secondary level as well as recent relevant industry experience. Candidates for the Data Science position ideally will have experience teaching informatics courses at the postsecondary level as well as recent relevant industry experience.

Applications for Software Engineering must be submitted via <http://employment.unl.edu/postings/61567>. Applications for Data Science must be submitted via <http://employment.unl.edu/postings/61925>. Complete applications will include a cover letter, CV, teaching statement and a list of three references. Review of application materials will begin January 4, 2019 and continue until the position is filled.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See: <http://www.unl.edu/equity/notice-nondiscrimination>.

University of New Haven

Assistant Professor Computer Science

The University of New Haven invites applications for a tenure track position in computer science with expertise in the application of data science to cybersecurity.

For full description: <https://apply.interfolio.com/58036>

University of North Carolina Charlotte

Faculty Positions, Department of Computer Science

We seek candidates for multiple tenure-track (TT) positions (assistant or associate professor) and non-tenure-track (NTT) positions (lecturer or senior lecturer).

Areas of interest for TT positions include Systems (interaction between computer architectures and machine learning, neuromorphic computing, AI, or blockchain), Data Science (data management, deep learning, artificial intelligence or computational statistics) or Cyber-physical systems (human-automation interaction, robotics and computer vision). For NTT positions, preference will be given to applicants with demonstrated ability, interest and commitment to teaching and engaging students from diverse backgrounds.

Anticipated start is in Fall 2019. Detailed description of all positions and the application process are available at <https://cci.uncc.edu/about-us/job-opportunities/departments-computer-science>

UNC Charlotte is North Carolina's urban research university. It is the fastest growing university in the UNC System. The Department doubled its size over the past 5 years and is currently the academic home for over 2,000 students pursuing BS, MS, and PhD degrees.

As an EOE/AA employer and an ADVANCE Institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained, the University of North Carolina at Charlotte encourages applications from all underrepresented groups.

The University of Oklahoma

Gallogly College of Engineering School of Computer Science

Tenure Track Faculty Positions in AI, ML, High-Performance Computing, and Network Science

The School of Computer Science in the Gallogly College of Engineering at the University of Oklahoma is entering an exciting period of growth opportunities in various research areas combined with its large undergraduate and graduate programs. We invite applications for two tenure-track faculty positions at the rank of assistant professor in the areas of artificial intelligence, machine learning, high-performance computing, and/or network science. Candidates must hold a Ph.D. degree in computer science or related fields and have the ability to teach courses at all levels, including advising M.S. and Ph.D. students. Our school offers B.S., M.S., and Ph.D. degrees in computer

science, and M.S. degrees in data science and analytics in conjunction with the School of Industrial & Systems Engineering.

Qualifications:

- A doctoral degree in computer science or any related discipline.
- Proven research record and potential to attract funding in areas of AI/ML, High-Performance Computing, and/or Network Science
- Candidates should also have the ability to teach courses at all levels and advise M.S. and Ph.D. students.

Application Instructions:

Please click the Apply Now button below to apply for this position or click the link, <http://apply.interfolio.com/58861>

The application package should include 1) a single-page cover letter explaining your interest in this program, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) a list of at least three references.

Review of applications will begin January 30, 2019 and continue until the position is filled.

University of Pittsburgh

Swanson School of Engineering-Tenure-track Faculty Position

The Department of Industrial Engineering at the University of Pittsburgh invites applications in anticipation of multiple open tenure-track faculty positions at any rank. The expected start date is Fall 2019.

We are seeking candidates in all areas of industrial engineering and operations research as well as their intersection with computer science and statistics. Applicants must have a strong methodological background and an interest in advancing cutting-edge, interdisciplinary research. For junior candidates, our primary search criterion is research potential. Senior candidates must have established an outstanding research record commensurate with rank. All candidates should have evidence of, or potential for, teaching excellence.

Candidates are expected to have a PhD degree in industrial engineering, operations research, computer science, statistics, or another related field by Fall 2019. Applicants should email (1) a cover letter, (2) a curriculum vitae, (3) statements of research and teaching interests, (4) representative publications, and (5) a list of at least three professional references to facultysearch2018@ie.pitt.edu.

The Department of Industrial Engineering is home to 20 full-time faculty members with an outstanding reputation in a wide variety of research areas. The department maintains vibrant programs at the undergraduate, masters and doctoral levels; offers excellent laboratory facilities; and benefits from many contacts with regional and national corporations. Additional information about the department can be found at <https://www.engineering.pitt.edu/industrial/>.

To ensure full consideration, candidates should apply before December 1, 2018;

however, applications will be reviewed until the positions are filled.

The University of Pittsburgh is an affirmative action, equal opportunity employer. Candidates from underrepresented groups are particularly encouraged to apply.

University of South Dakota

Instructor

Computer Science instructor position at the University of South Dakota, for details go to <https://yourfuture.sdbor.edu/postings/13703>

University of Texas Rio Grande Valley

Open-Rank Tenure-Track Faculty Position

The Department of Computer Science at the University of Texas Rio Grande Valley (UTRGV) invites applications for an open-rank tenure-track faculty position and a 3-year lecturer position in computer science to begin in Fall 2019. Please see full descriptions of the two positions at the following links.

Open Rank - <https://careers.utrgv.edu/postings/19689>

Lecturer - <https://careers.utrgv.edu>

University of 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 Virginia

Open Rank Tenure/Tenure Track Biomedical Data Science

The University of Virginia (UVA) seeks exceptional applicants for tenure-track or tenured faculty appointments in the broad area of Biomedical Data Science. Primary appointments will be in the School of Engineering and Applied Science (SEAS), including Computer Science, or in the School of Medicine (SOM); secondary appointments are available in departments associated with SEAS, SOM and the Data Science Institute (DSI). Candidates are expected to build and sustain rapidly-growing, highly-visible research programs at the confluence of any area of Biomedicine and Data Science. Candidates with strong backgrounds in areas of data science such as: machine learning; data visualization; data integration and engineering; data acquisition and dissemination; and data ethics, law, policy and social implications are encouraged to apply. Candidates also must have expertise in one or more areas of bioscience including, but not limited to: omics technologies, imaging, large

scale and predictive modeling, precision medicine, immunology or neuroscience.

For further information and to apply, visit jobs.virginia.edu/applicants/Central?quickFind=86232 and submit a cover letter, CV, statement of teaching philosophy, statement of research interests, and contact information for three references. The positions remain open until filled.

The University of Virginia is an affirmative action/equal opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Virginia

Tenured/Tenure Track, Open Rank, Cyber-Physical Systems

The School of Engineering and Applied Science at the University of Virginia seeks innovative and collaborative applicants to join its world class center of research excellence in Cyber-Physical Systems (CPS).

To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85932 and submit a cover letter, CV, statement of teaching philosophy, statement of research interests, and contact information for three references. The position remains open until filled.

The University of Virginia is an affirmative action/equal opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Wisconsin-Madison

Assistant Professor, Associate Professor, or Professor of Machine Learning

The Wisconsin Institute for Discovery and the Department of Biostatistics and Medical Informatics are jointly searching for an assistant, associate, or full professor with research interests in the broad application of machine learning to biological problems. The successful applicant will be responsible for developing and funding methodological and collaborative research programs, teaching and mentoring students, and providing professional service at a level commensurate with the faculty rank.

Qualifications: Doctoral degree (PhD or equivalent) in Computer Science, Biomedical Informatics, Bioinformatics, Computational Biology, Statistics, or a closely related quantitative area.

Area of Specialization: Research focus on machine learning or a closely related area. Other relevant methodological expertise may include, but is not limited to, database theory and methods and/or data mining, natural language processing, data privacy and security.

Apply at go.wisc.edu/machine-learning. You will be asked to submit a cover letter, curriculum vitae, a statement of research and teaching interests, and a document containing three sample publications. You will also be asked to submit contact information for three references. Upon application submission, your references will be

automatically contacted to upload a letter of reference.

To ensure full consideration, applications must be received by February 15, 2018. AA/EOE.

Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

Washington State University Vancouver

Non-tenure-track Clinical Assistant Professor level position in computer science with expertise in application programming and Linux/Unix programming tools. See complete notice at: <https://admin.vancouver.wsu.edu/human-resources>

Washington State University Vancouver

Computer Science Faculty

Washington State University Vancouver invites applications for a full-time tenure-track position at the assistant professor level beginning 8/16/2019. Candidates from all areas of computer science, including theory, will be considered with preference given to expertise in **computer networks, wireless networks** or **sensor networks**.

Required qualifications: Ph.D. in Computer Science or Software Engineering by the employment start date and demonstrated ability to (1) develop a funded research program, (2)

establish industrial collaborations, (3) teach undergraduate/graduate courses, and (4) have published promising scholarly work in the field and (5) contribute to our campus diversity goals (e.g. incorporate issues of diversity into mentoring, curriculum, service or research).

Duties include: (1) Teach undergraduate and graduate courses including networks; (2) Conduct research in at least one of the expertise areas listed above; (3) Secure external funding for research; and (4) Participate in service to the department and university through committee work, recruitment, and interaction with industry.

WSU Vancouver serves about 3,400 graduate and undergraduate students and is **fifteen miles north of Portland, Oregon**. The rapidly growing School of Engineering and Computer Science (ENCS) **equally values both research and teaching**. WSU is Washington's land grant university with faculty and programs on five campuses. For more information: <http://ecs.vancouver.wsu.edu>. WSU Vancouver is committed to building a culturally diverse educational environment.

Application: Please visit www.wsujobs.com and search postings by location. Applications must include: (1) cover letter with a clear description of experience relevant to each of the required and preferred qualifications; (2) vita including a list of at least three references; (3) a statement (**two-page total**) of how candidate's research will expand/complement the current research in ENCS and 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 found at <https://admin.vancouver.wsu.edu/sites/admin.vancouver.wsu.edu/files/Diversity%20Statement%20Guidelines.pdf>).

Application deadline is **April 7, 2019**.

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

Postdoctoral Fellow

The networking and security lab at WashU is soliciting applications for postdoctoral fellows with a start date of September 1st, 2019, or earlier. The position is for two years extendable to three, and spans all areas of cybersecurity with an initial focus on exploring the darkweb and its evolution. The postdoctoral fellow will have considerable autonomy in defining other security-related projects. Teaching opportunities are available if desired.

Interested applicants should email a CV, cover-letter, and contact information of 2-3 references to Roch Guerin (guerin@wustl.edu).

Wayne State University

Department of Computer Science

Lecturer or Senior Lecturer

Applications are invited for a Director of Undergraduate Education. This is a teaching faculty position at the Lecturer or Senior Lecturer level beginning in Fall 2019. This position is being created to support our growing undergraduate program and offers an exciting opportunity for a motivated individual with interests in developing innovative Computer Science curriculum for an ethnically and culturally diverse undergraduate student body. In addition to teaching at the undergraduate level, the position includes a leadership role in undergraduate program assessment and administration of undergraduate teaching. The teaching load will reflect the service activities of this appointment. Candidates are expected to have a Ph.D. in Computer Science or a closely related field, or a M.S. in Computer Science with significant teaching experience, and to demonstrate potential for excellence in both teaching in CS education.

The Department of Computer Science has 23 tenured or tenure-track faculty and 5 teaching faculty. The Department has 75 Ph.D. students and over 50 Master's students. The Department has experienced rapid undergraduate enrollment growth over the past several years and now has over 800 undergraduate majors. More information about the department can be found at <http://www.cs.wayne.edu>.

As a leading force in the revitalization of the City of Detroit, Wayne State University serves as an excellent campus for pursuing transformative research, education, and service initiatives. WSU attracts an ethnically, culturally, and educationally diverse student population from the Southeast Michigan region, as well as students from across the country. This student population offers an excellent opportunity for conducting innovative teaching-related research on CS education for diverse students.

Besides enjoying the beautiful fall scenery as well as winter skiing in Michigan, within a 20-mile radius of Wayne State campus, you will find several Metro Detroit suburbs that are consistently ranked in top 100 in Money Magazine's Best Places to Live.

Application Instructions

Applicants should submit a cover letter, teaching statement, diversity statement and curriculum vitae with the contact information of three references. For full consideration, applications must be received by February 15, 2019.

Apply online at jobs.wayne.edu (posting number: 0044143). Nominations and inquiries should be directed to Prof. Loren Schwiebert at loren@wayne.edu.

Wayne State University is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity and inclusion creates

exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color, and other underrepresented people. Wayne State is an affirmative action/equal opportunity employer

West Chester University

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

West Chester University of Pennsylvania's Department of Computer Science invites applicants for two tenure-track positions of open rank, to begin in August 2019. To apply contact Ashley Hice at ashleyhice@greenwoodsearch.com.

West Chester University of Pennsylvania values diversity and is committed to equal opportunity for all persons regardless of age, color, disability, ethnicity, marital status, national origin, race, religion, sex, sexual orientation, veteran status or any other status protected by law.
