## COMPUTING NEWS



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

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## Nominations Open for CRA Distinguished Service and A. Nico Habermann Awards

The Computing Research Association invites nominations for the 2022 CRA Distinguished Service Award and A. Nico Habermann Award.

see page 2 for full article

## Candidates Sought for CRA Board of Directors

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

see page 3 for full article

## **2022 CRA Career Mentoring Workshop - Applications Open**

The biennial **Career Mentoring Workshop** will be offered by the Computing Research Association February 24-25, 2022 in Washington, DC.

see page 4 for full article



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cra.org/crn



## Nominations Open for CRA Distinguished Service and A. Nico Habermann Awards



The Computing Research Association invites nominations for the 2022 CRA Distinguished Service Award and A. Nico Habermann Award.

#### **Distinguished Service Award**

CRA presents an award, usually annually, to a person or multiple people who have made an outstanding service contribution to the computing research community. This award recognizes service in the areas of government affairs, professional societies, publications or conferences, and leadership that has a major impact on computing research.

#### **Guidelines for Nominators**

The quality and extent of computing research conducted by the candidate is not taken into consideration in making this award, and material about the candidate's research accomplishments should not be included in the nomination material. Service considerations are limited to those that relate to the computing research community. Thus, for example, government service on behalf of the computing research community or educating graduate students for research careers would count. However, the selection committee will not give consideration to service in undergraduate education unless it relates directly to computing research.

Viable candidates are likely to be senior members who have participated in editorial boards and planning or programming committees. While it is not objectionable to mention this kind of service in the nomination, it is not likely to be a key factor in the selection process unless the applicant's service is well above and beyond that of other senior members

Longevity, effectiveness, breadth, and community-wide scope of service are all important in the award selection. The nomination letter must make an argument why the candidate deserves the award, focusing on a few key contributions and providing evidence for these claims. The nomination should not simply consist of a list of accomplishments.

Nominators must obtain three to four letters of support from distinguished members of the computing research community who are familiar with the candidate's service accomplishments and must include a copy of the candidate's current curriculum vitae. Submit nominations here.

#### A. Nico Habermann Award

CRA presents an award, usually annually, to a person or multiple people who have made outstanding contributions aimed at increasing the numbers and/or successes of underrepresented groups in the computing research community. This award recognizes work in areas of government affairs, educational programs, professional societies, public awareness, and leadership that has a major impact on advancing these groups in the computing research community. Recognized contributions can be focused directly at the research level or at its immediate precursors, namely students at the undergraduate or graduate levels.

#### **Guidelines for Nominators**

Longevity, effectiveness, breadth, and community-wide scope of service, rather than great contributions within one institution, are important in the award selection. The nomination letter must make an argument for why the candidate deserves the award, focusing on a few key contributions and providing evidence for these claims. The nomination should not simply consist of a list of accomplishments.

Nominators must obtain three to four letters in support of the nominee from distinguished members of the computing research community who are familiar with the candidate's service, with particular emphasis on its community-wide scope. The nomination must include a copy of the candidate's current curriculum vitae. Submit nominations here.

Questions or comments may be addressed to awards@cra.org.

The deadline for receipt of nominations is January 31, 2022.

Current members of the CRA Board of Directors are not eligible for these two awards.



#### **Candidates Sought for CRA Board of Directors**

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

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

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

#### **Recent Board activities include:**

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

#### Important dates and events:

- The deadline for receipt of nominations is December 17, 2021.
   The Elections Committee will carefully consider all nominations, with the aim of a final ballot containing about twice as many candidates as there are open slots. Important criteria considered by the committee will include distribution of candidates and current Board members among member institutions, distribution among types and sizes of institutions, evidence of leadership, diversity, and evidence of interest in and capacity for service beyond that expected of all faculty members and researchers
- In mid-January, the Elections Committee will announce the draft ballot. Additional names may be added by the CRA community (as described below)
- On January 31, 2022, nominations by petition are due. Each such nomination must be signed by the heads of at least five constituent member organizations that are current in dues payment. Current CRA members are listed at http://cra.org/ about/membership/member-list/
- In early February 2022, final ballots will be distributed to all CRA department chairs and lab directors. Each will have one vote for each open slot on the board
- On February 28, 2022, completed ballots must be returned to CRA
- In early March, the election results will be announced.

Click here to fill out the nomination form. Additional information on CRA and its activities is available at http://cra.org/about/. Questions can be sent to elections@cra.org.

## 2022 CRA Career Mentoring Workshop - Applications Open



The Computing Research Association will offer an in-person Career Mentoring Workshop, February 24-25, 2022, in Washington, D.C.

This workshop provides advice and mentoring activities for those starting an academic computing research career. Most attendees are in their first or second year as assistant professors. The workshop will include a series of panels, plus valuable opportunities to network with other participants, CRA board members, senior researchers and representatives from government agencies.

Participants will have the opportunity to discuss one pagers on their research with NSF CISE Program Directors. There is a registration fee of \$450 for CRA member departments and \$650 for non-CRA member departments for the in-person workshop.

In the next few weeks, we will be announcing the full agenda which will be similar to the 2020 agenda available **here**. Click **here** to apply. The workshop application deadline is December 10, 2021.

CRA policy requires that attendees at in-person CRA events must be fully vaccinated against COVID-19 and abide by CDC guidance on masking and social distancing. CRA may record some sessions for those unable to attend in person, but the real value of the event comes from the ability to ask questions and interact with the speakers, board members and the other participants, so please plan to attend in person if possible.

#### **Announcements**

## Are You Working on the Taulbee Survey?

The CRA Taulbee Survey is in progress. The deadline for the salary section is November 29.

Late December: Preliminary salary report available to participants.

January 24, 2022: Due date for the main Taulbee section.

#### Nominations Open for 2022 CRA-E Undergraduate Research Faculty Mentoring Award

Nominations are due Monday, November 22, 2021 by 5 PM (ET). Winners will be notified by early February 2022.

#### **CRA's CV Database Initiative**

The CRA CV Database is now open for the 2021-22 recruiting season.

#### **2021 CRA Academic Member Book Released**

Published online each fall, the CRA Academic Member Book highlights institutions that are member departments of CRA. Each academic member department is invited to submit a one page- pdf about their department. Thanks to all the departments that took the time to prepare a submission.

This year's book is now available at: https://cra.org/2021-Member-Book

This initiative started in 2017, and previous year books are available at: https://cra.org/about/membership/member-books/



## CRA-E Graduate Fellows Program Accepting Nominations



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

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

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

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

More information is available at http://cra.org/crae/activities/fellows/. Nominations are due Wednesday, January 5, 2022 at 5 PM EST.

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

#### CRA-WP 2022 Distributed Research Experience for Undergraduates (DREU) -Applications Open!





The CRA-WP Distributed Research Experiences for Undergraduates (DREU) program matches students with a faculty mentor for a summer research experience at the faculty mentor's home institution. We invite applications from both undergraduate students interested in exploring research in computer science and faculty members interested in being a research mentor.

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

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

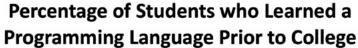
Application Period: October 15 - February 15

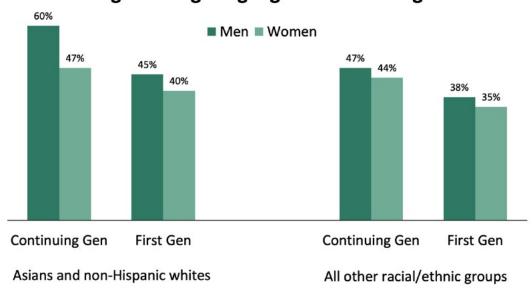
Learn More: Hear from previous attendees: https://youtu.be/363fwY4ZwTk

# Intersectional Analysis of Exposure to Programming Languages Reveals the Additive Impact of Belonging to Multiple Underrepresented Populations



By Kristi Kelly, CERP Research Associate





Source: Data Buddies Survey (DBS) 2020, Center for Evaluating the Research Pipeline, Computing Research Association

In last month's CERP infographic for CRN, Senior Research

Associate Evelyn Yarzebinski presented data showing that students from populations underrepresented in computing are less likely than their peers to have learned a programming language prior to college. Furthermore, although such programming experience has been increasing during the past five years among all matriculating college students, the data revealed a persistent gap in experience of about 10% when comparing students from an underrepresented population to their peers.

The current analysis builds on these findings by considering the issue of intersectionality, examining whether exposure to programming languages varies among different populations that are underrepresented in computing, and whether belonging to **multiple** underrepresented populations has an additive association with learning a programming language. This analysis focuses on three student characteristics in particular: race/ethnicity, gender, and first-generation college student status.

Results showed that each of the three student characteristics examined is significantly associated with the likelihood that a student has learned a programming language prior to college. Overall, men are more likely to have learned a programming language than women, continuing-generation students are more likely to have learned a programming language than first-generation students, and Asian or white students are more likely to have learned a programming language than students from racial/ethnic populations that are underrepresented in computing (i.e., Black/African American, Hispanic/Latinx, Alaskan Native, Native Hawaiian, and/or Pacific Islander students).

Additionally, the likelihood of pre-college exposure to a programming language decreases as students' membership in different underrepresented populations increases. Those who are not members of any of the examined underrepresented populations – Asian and white men who are continuing-generation college students – have the highest likelihood (60%) of starting college



#### Multiple Underrepresented Populations (continued)

having already learned a programming language. In turn, students who are members of only one underrepresented population are also significantly more likely to have learned a programming language than their peers who are members of two or three underrepresented populations. Notably, comparisons of those who are in **none** of the three underrepresented populations versus those who are in **all** of them revealed a substantial gap in programming experience – a 25% difference between the two groups' reports.

These findings underscore the utility of reporting computing-related data that simultaneously examine multiple identities – such as gender, race/ethnicity, and socioeconomic factors – to gain a more nuanced understanding of the experiences and needs that computing students have at college entry and throughout their computing careers.

#### Notes:

The survey data analyzed for this infographic were collected by the Center for Evaluating the Research Pipeline via The Data Buddies Project. The sample includes 9,228 undergraduates from the 2020 Data Buddies Survey who provided demographic information on their race/ethnicity, gender, first- or continuing-generation student status, and indicated whether they had learned a new programming language prior to entering an undergraduate program. For this analysis, students from underrepresented populations were defined as being women, first-generation students, and/or Black/African American, Hispanic/Latinx, Alaskan Native, Native, Hawaiian, and/or Pacific Islander students. Notably, this analysis differs from the previous month's analysis in that: (1) it does not include disability status; and (2) it does not separate students by matriculation year. Z-tests were conducted for each of the student characteristics examined - race/ethnicity (Asian or white versus all others), gender (women versus men) and first-generation status (first- or continuinggeneration). Each was statistically significant at p < .05. In addition, a summary score of the number of underrepresented populations each student belonged to was calculated, with scores ranging from 0 to 3. Z-tests revealed the following significant group differences (p < .05): 0 groups > 1 group > (2 groups = 3 groups).

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. Volunteer for Data Buddies by signing up here.

The Data Buddies Project is currently supported through National Science Foundation (NSF) awards CNS-1840724, CNS-2036717, DUE-1821136, sub-awards and contracts, and direct CRA contributions. Previous NSF awards that supported DBS include CNS-1246649 and DUE-1431112. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

#### Former CCC Council Member Shwetak Patel's Work Recognized by Georgia Tech and Business Insider



#### By CCC Staff

Former Computing Community Consortium (CCC) Council member and Professor of Computer Science & Engineering and Electrical & Computer Engineering at the University of Washington, Shwetak Patel, was just anointed to the Georgia Tech College of Computing's Hall of Fame and Business Insider's list of "30 leaders under 40" who are changing healthcare. He is being recognized for a broad scope of work ranging from home energy monitoring (Zensi) to a mobile health company (Senosis Health). Along with being a professor and head of Ubicomp Lab, Patel holds the Washington Research Foundation Entrepreneurship Endowed Professorship; is the Director of health technologies at Google Health and FitBit Research; was the recipient of the MacArthur Genius Fellowship, the NSF Career Award/PECASE Award, and the ACM Prize in Computing; and has started three companies.

Patel's innovative work began with the realization that people everywhere are already carrying around technologies that have the capability to monitor and detect health problems on an on-going basis. Smartphones and watches possess on-board sensors such as the cameras, microphones, accelerometers, and gyroscopes that eliminate the need for ongoing trips to the clinic and access to expensive equipment. Patel and his team have developed apps for assessing lung function, detecting jaundice in babies, measuring hemoglobin, and measuring heart and respiratory rates all using tools found on the standard cell phone.

More recently, with the emergence of COVID-19, Patel and his lab shifted their focus to aid in the pandemic response. They have been working on smart-phone-

based tools to assist with contactless monitoring of symptoms and vitals. He has also teamed up with other labs to help create means of quickly and effectively interpreting rapid diagnostics test results with a smartphone and using air filtration systems on public transportation to detect viral spread.

Patel grew up in Birmingham, Alabama in the motel that his parents owned. He credits his interest in computing and creating to his early exposure to computers and the hands-on work, such as fixing plumbing and electrical issues around the motel. Patel went on to get his PhD at Georgia Tech where he spent time with the ATDC – a program that helps translate technology into commercial impact. This helped him to realize that he could do the basic research that he



loved and have an impact. He has clearly implemented this practice in his career with the co-founding of three companies Zenzi, an energy monitoring company, SNUPI Technologies, a low-power home wireless sensing company, and Senosis Health, a mobile health company.

Patel served on the CCC Council from 2015-2021. During his time here, he helped write numerous whitepapers and blogs, organized a workshop on Computational Support for Substance Use Disorder Prevention, Detection, Treatment and Recovery and sat on multiple task forces. To find out more about his career path and work, please check out his interview on the CCC's Catalyzing Computing podcast here.

## Second Report from the One Hundred Year Study on Artificial Intelligence



By CCC Staff



The One Hundred Year Study on Artificial Intelligence (Al100) has released their second report, following their first report in 2016.

Five years later, a lot more has been written in the computing research community about the state of Artificial Intelligence (AI) and its impact on society.

This study, however, remains unique.

It is written by a Study Panel of core multi-disciplinary researchers in the field. The authors are firmly rooted within the field of Al and provide an "insider's" perspective. Second, it is a longitudinal study, with reports by such Study Panels planned once every five years, for at least one hundred years.

Quoting from their announcement:

Whereas the first study report focused explicitly on the impact of AI in North American cities, we sought for the 2021 study to explore in greater depth the impact that AI is having on people and societies worldwide. AI is being deployed in applications that touch people's lives in a critical and personal way (for example, through loan approvals, criminal sentencing, healthcare, emotional care, and influential recommendations in multiple realms).

See the full 2021 report here.

#### CCC / ACM SIGAI / INFORMS Workshop 1 Report Out - Artificial Intelligence & Operations Research



By CCC Staff







The Computing Community Consortium (CCC), the Institute for Operations
Research and the Management Sciences
(INFORMS) and ACM SIGAI sponsored a virtual workshop, entitled Artificial Intelligence / Operations Research Workshop to provide a space for the Artificial Intelligence (AI) and Operations Research (OR) to discuss a joint strategic vision for a strong and sustained collaboration between the two fields.

Organized by Sanmay Das (George Mason University), John Dickerson (University of Maryland), Pascal Van Hentenryck (Georgia Tech), Sven Koenig (University of Southern California), Ramayya Krishnan (Carnegie Mellon University), Radhika Kulkarni (SAS Institute, Inc. – retired), Phebe Vayanos (University of Southern

California) the workshop was held on September 24th – 25th, 2021. There were 60+ participants with equal representation from the AI and OR communities with a mix of academia, industry and government. We are pleased to release the Artificial Intelligence and Operations Research Workshop 1 Report Out.

This workshop is the first of a three part series focusing on exploiting the synergies of the AI and OR communities to transform decision making to maximize societal impact of AI and OR in a world that is bound to undergo significant changes due to the COVID-19 pandemic, widening inequalities, and challenges in resilience and sustainability in the food-water-energy nexus. The respective goals of the workshop series are:

- 1. Articulating a strategic vision
- 2. Implementing a strategic vision
- 3. Progressing the strategic vision

This report summarizes presentations, breakout discussions and key takeaways from each session at the workshop. Video recordings of the presentations are linked in the report. If you are interested in future activities pertaining to this topic or have any questions or feedback please email cccinfo@cra.org. The second and third workshops are expected to take place in the first half of 2022.

See the full report here.

## Best Practices on Using the Cloud for Computing Research



By Helen Wright, CRA-I Senior Program Associate



## BEST PRACTICES ON USING THE CLOUD FOR COMPUTING RESEARCH ROUNDTABLE

Moderators: Fatma Ozcan & Vivek Sarkar

In July 2021, the Computing Research
Association's (CRA) newly formed Industry
Committee (CRA-I) launched a series of
75-minute virtual roundtables to initiate
discussion on the various areas of interest
of CRA-I's computing research industry
partners. The mission of CRA-I is to convene
industry partners on computing research
topics of mutual interest and connect those
partners with CRA's academic and government
constituents for mutual benefit and improved
societal outcomes.

In September 2021, CRA-I held its second roundtable focused on *Best Practices on using the Cloud for Computing Research.* 

The purpose of this roundtable was to discuss best practices and the resulting synergistic opportunities across industry, academia, and government. See a video of the roundtable here. The session was moderated by two members of the CRA-I steering committee: Fatma Ozcan (Principal Software Engineer, Google) and CRA-I Co-Chair Vivek Sarkar (Professor and Chair, School of Computer

Science, Georgia Institute of Technology).
The panelists were David Culler (Google), Ed
Lazowska (University of Washington), Margaret
Martonosi (National Science Foundation),
Giovanni Pacifici (IBM Research), and Raghu
Ramakrishnan (Microsoft).

Overwhelmingly, the panelists agreed that using the commercial cloud for computing research makes you, as Pacifici put it, "more productive, gives you access to the latest technology, and provides agility." Lazowska remarked that "nothing that we can build ourselves will have the scalability, shareability, and the rich software and hardware infrastructure that the commercial cloud offers." Using the commercial cloud for research across academia and government presents a unique opportunity for collaboration and change.

While there are no downsides to using the cloud for computing research, there are some key barriers to overcome. The panel went on to agree that the commercial cloud needs

to be more accessible so that it is more available for a wide spectrum of users - as Ramakrishnan said, "all the way from Computer Science (CS) 101 to researchers rethinking telecommunications." It is becoming more open, but this needs to continue to allow for better portability and better consistency than what we have today. This problem is particularly apparent in CS education. Lazowska remarked that "other fields are much more active at using the cloud than CS... we are not just a backwater compared to industry, we are a backwater compared to other disciplines, which is causing [CS] to be out of step in the 21st century." Culler agreed that we need to "raise in some sense the technical IQ of our own students throughout and that begins with the faculty actually waking up to the state of the art that we have today." Martonosi commented that "everyone needs nimble access to scalable resources and our education of our students should align with what they are going to actually experience in the outside world...there is a lot more here than our community makes vibrant use of."



#### Best Practices (continued)

This nimble access is, in part, being addressed by the National Science Foundation funded CloudBank, a cloud access entity that helps the computer science community access and use public clouds for research and education by delivering a set of managed services designed to simplify access to public clouds. The San Diego Supercomputer Center and Information Technology Services Division at the University of California, San Diego, the eScience Institute at the University of Washington, and the University of California, Berkeley's Division of Data Science have developed and now operate CloudBank. "CloudBank is an

intermediary that helps researchers budget for and access commercial cloud resources. There are no indirect costs on those resources. You can budget it into your CISE core proposals," explained Martonosi. There was also discussion of the fact that campus supercomputer centers will continue to play an essential role with their expertise in using computing resources for research.

It is clear that the future of computing research is in the cloud, but getting there and sharing its potential with students and the computing research community broadly is challenging. The CRA-I steering committee is

eager to continue the momentum from this roundtable and is planning a hybrid workshop to be held March 21-22, 2022 with both remote attendees and an in-person hub in Washington, DC at CRA's headquarters (1828 L Street, NW, Suite 800, Washington, DC 20036-4632). If you are interested in attending either virtually or in-person in DC, please save the date and let us know here, and feel free to forward the information to interested parties. We will be reaching out to those who express interest in the next few months with more details, including a formal registration form.

## **CRA and CERP Welcome Roohia Meer**





CRA has recently hired Roohia Meer as a program assistant for the Center for Evaluating the Research Pipeline (CERP). She supports CERP's efforts aimed at broadening participation in computing research and education.

Roohia is originally from Quetta, Pakistan. She holds a Bachelor's in sociology from Albion College and a Master's in public policy from the University of Maryland. Before joining CRA, Roohia worked as a data analyst in enrollment management at the University of Maryland. She enjoys reading, cooking, and teaching ESL to refugees from Afghanistan.





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Expanding the Pipeline

Patty Lopez, New Mexico State University



#### **American University**

New Technology and Security (Assistant Professor. Tenure-Line)

The School of International Service at American University invites applications for a full-time, tenure-line faculty appointment in New Technology and Security at the rank of Assistant Professor beginning August 1, 2022. Scholars from diverse disciplines are encouraged to apply.

Interested individuals may read about the position and apply on the Interfolio application system [https://apply.interfolio.com/94649].

American University is an equal opportunity, affirmative action institution that operates in compliance with applicable laws and regulations.

#### **Auburn University**

Department of Computer Science and Software Engineering

Multiple Faculty Positions

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, although 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,

### ARTERISE

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Engineering Campbell, California

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Experience: 5+ years of experience of leading or managing a design team,10+ years' experience in ASIC and SoC design and This opportunity involves high performance, low power designs on a highly visible project

#### Education:

• MS degree in EE, CS, or equivalent preferred. BS degree minimum.

Apply Here: https://apptrkr.com/2522790

software engineering, or a closely related field must be completed by the start of appointment. Applicants must have the potential to develop a vigorous externally funded research program and a commitment to teaching.

Applications from candidates with expertise in any area of computer science will be considered. However, our focus areas are Artificial Intelligence (Al: including all subfields such as computer vision, machine learning, natural language processing, etc.), Computer & Software Systems (broadly defined to include advanced architectures, compilers, operating systems, programming languages, software environments, etc.), Cybersecurity, Data Science, Human-Computer Interaction (HCI), and Software **Engineering** (SE). We are especially interested in candidates who work at the intersection of two focus areas, such as Al & Cybersecurity, HCI & AI, HCI & Cybersecurity, Systems & AI, Systems & Cybersecurity, SE & AI, SE & HCI, or SE & Cybersecurity, and Systems candidates with an ability to teach SE courses at the undergraduate and graduate levels. We welcome applications from women, couples, and those belonging to underrepresented groups in computer science.

CSSE is home to the Auburn Cyber Research Center (http://cyber.auburn.edu), and is affiliated with the McCrary Institute for Cyber and Critical Infrastructure Security (http://mccrary.auburn.edu). The department currently has a diverse and international tenure-track, teaching, and research faculty of over thirty, who support a dynamic research enterprise and strong undergraduate and graduate programs (M.S. in CSSE, M.S. in Cybersecurity Engineering, M.S. in Data Science & Engineering, and Ph.D. in CSSE). Current student enrollment is over 1200 undergraduate and over 200 graduate students. Further information may be found at the department's home page http://www. eng.auburn.edu/csse.

CSSE is the highest ranked computer science department in Alabama, fourth among SEC schools, a top-50 department at a public university, and among the top 15% of all departments in the nation according to the latest rankings from U.S. News and World Report. It was one of the first computer science departments in the country to offer an ABET accredited undergraduate degree in software engineering. Auburn University is one of the nation's premier public land, sea, and spacegrant institutions. As a Carnegie R1 research



university, Auburn maintains high levels of research activity as well as 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. 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 (GA) and Montgomery (AL), the combined Auburn-Opelika-Columbus statistical area has a population of over 500,000, with excellent public school systems and regional medical centers. More information on faculty and community life at Auburn may be found at <a href="http://www.auburn.edu/academic/provost/facultyjobs/">http://www.auburn.edu/academic/provost/facultyjobs/</a>.

Applicants should submit a cover letter, curriculum vita, research vision, teaching philosophy, and names of three to five references at https://www.auemployment.com/postings/25633. There is no application deadline. The application review process will begin January 1, 2022 and continue until successful candidates are identified. All applications will be considered, but applications received by January 1, 2022 will receive earliest consideration.

The successful candidate must meet eligibility requirements for work in the United States at the time the appointment is scheduled to begin and continue working legally for the term of employment. Auburn University is understanding of and sensitive to the family needs of faculty, including dual-career couples, is an EEO/Vet/Disability Employer, and committed to building an inclusive and diverse community.

#### **Bard College at Simon's Rock**

Faculty in Computer Science

Bard College at Simon's Rock invites applications for one or more full-time positions in Computer Science, beginning Fall 2022. Requirements include a Ph.D. (ABD, Masters, or professional equivalent considered) in Computer Science or interdisciplinary fields that intersect with computer science (including but not limited to the computational natural or social sciences, data science, applied mathematics, or robotics); substantial programming experience; and a demonstrated interest in teaching courses from the introductory to the advanced undergraduate level. The fields of specialization are open, including either software or hardware, and the successful applicant will have a research plan that can incorporate undergraduate students. We seek faculty passionate about teaching in a liberal arts setting and to a diverse student population. The successful applicants will play a lead role in shaping our CS program. Modest startup funds are available.

Applicants should send a letter of interest, curriculum vitae, sample course syllabus, teaching and research statements, and the names and contact information for three references through Interfolio.com at: http://apply.interfolio.com/97017

Bard College at Simon's Rock is a small, selective liberal arts college located in Berkshire County, Massachusetts which serves students ready to begin college at 16 or 17 years of age. In addition to the college, our accelerated high school program, Bard Academy, serves students at the 9th and 10th-grade level. Full-time faculty teaching load is 3/3. For more about the computer science program at Simon's Rock, see <a href="https://simons-rock.edu/academics/program-overview/computer-science.php">https://simons-rock.edu/academics/program-overview/computer-science.php</a>

Simon's Rock is AA/EOE, and we encourage applications from candidates of all races, nationalities, sexual orientations, gender identities, and socioeconomic levels.

Employment is contingent on successful completion of a background check. Review of applications will begin November 15, and will continue until the positions are filled.

#### **Barnard College**

Assistant Professor in Computer Science

Barnard College invites applications for a tenure-track assistant professor in Computer Science to start July 1, 2022. Barnard faculty are expected to engage in teaching, research, curriculum and program development, undergraduate advising, and mentoring of undergraduate research. There is opportunity to collaborate with faculty and students at both Barnard and at Columbia. The position is open to all areas of computer science as well as to multidisciplinary scholars with a significant computational focus. We encourage candidates who take a multidisciplinary approach, whether across multiple subareas of computer science. or with research connections to another



discipline. Candidates must have a Ph.D. in Computer Science or a related discipline, and should have a promising research agenda and record of scholarship, as well as a demonstrated commitment to undergraduate teaching, mentoring, and increasing diversity in computer science.

Information and application at https://cs.barnard.edu/assistant-professorcomputer-science-2022.

### BNU-HKBU United International College

now invites candidates for this position which is expected to be filled in February/September 2022:

Full Professor/Associate Professor/ Assistant Professor in Artificial Intelligence

#### **Job Description**

Candidates with expertise in one or more of the following areas: Artificial intelligence, computer vision and pattern recognition, image processing, natural language processing, virtual reality and game, robotics, software engineering, programming languages, multimedia, computer graphics, and visualization, etc.

#### **Job Requirement**

Candidates should have a PhD degree in related discipline. Successful candidates are expected to be committed to excellence in undergraduate or postgraduate teaching and research. Preference will be given to candidates who can undertake independent research leading to outstanding outcomes, including publications in high quality international-refereed journals. Academic

rank will be determined in accordance with successful candidate's experience and research accomplishments.

#### **Benefits**

Salary commensurate with qualifications and relevant experience. Fringe benefits include housing allowance, leave and social insurance

#### **Appointment Terms**

Appointment to this position will initially be made on a fixed-term contract of two years. Continuation of appointment beyond the initial term will be subject to mutual agreement.

#### **Application Procedures**

\*Please complete the job application form and upload the requested documents online: https://hrapp.uic.edu.cn/recruit/job/vacancy/JobDetail/539.

\*If you failed to submit your application online, please send your application by emailing to *recruit@uic.edu.cn*. Applications should include a curriculum vitae and a completed "Job Application Form" which can be downloaded from <a href="https://hro.uic.edu.cn/Job\_Opportunities\_/Application\_Procedure.htm">https://hro.uic.edu.cn/Job\_Opportunities\_/Application\_Procedure.htm</a>. Please indicate the position being applied for, including the field of expertise, level and reference number.

#### Boston Children's Hospital/ Harvard Medical School

Postdoctoral research fellow -Computational Health Informatics Program

The Health NLP lab at Harvard Medical School and Boston Children's Hospital has two openings for postdoctoral research fellows. These positions are supported by federal research grants, with the goal of developing novel NLP methodology on biomedical and clinical text data, to answer important questions about human health and disease

Required qualifications:

- Ph.D. in computer science, clinical informatics, or related field
- Knowledge of deep learning models and tools for NLP
- Scientific writing skills and publication history

Positions are available immediately, so applications will be accepted on a rolling basis. If you are interested, please send an email introducing yourself with attached CV to:

Guergana Savova (*guergana.savova@ childrens.harvard.edu*) and Timothy Miller (*timothy.miller@childrens.harvard.edu*)

#### **Boston College**

Postdoctoral Research Fellow, Engineering (Machine Learning and Medical Imaging)

To view the complete job description, including minimum qualifications and application instructions, please visit: https://bc.csod.com/ux/ats/careersite/2/home/requisition/5282?c=bc



#### Boston College Morrissey College of Arts and Sciences

Fitzgerald Chair in Data Science

The Morrissey College of Arts and Sciences at Boston College invites applications for a senior scholar to serve as the inaugural Fitzgerald Chair in Data Science. We are seeking a scholar whose area of expertise is in data science broadly understood. A Ph.D. in Computer Science, Mathematics, Statistics or another appropriate field is required. Applicants should present a distinguished record of publication and teaching experience in areas related to data science, as well as the energy and vision to allow them to take a leading role in Boston College's efforts to develop an undergraduate interdisciplinary data science academic program animated by the mission of the Schiller Institute for Integrated Science and Society. More information about the Schiller Institute can be found here: https://www.bc.edu/ bc-web/centers/schiller-institute.html

The appointment will be a tenured position at the rank of full Professor in the Computer Science Department, with a preferred start in advance of the Fall 2022 semester.

Applications should be submitted electronically to Interfolio.

To apply go to: http://apply.interfolio. com/94249

Applicants must submit a letter of application, curriculum vitae, a research statement, a statement of teaching philosophy and interests, and the

names and contact information for three references. Nominations and inquiries can be sent via email to Howard Straubing, Chair, Fitzgerald Chair Search Committee, Morrissey College of Arts and Sciences, Boston College, howard.straubing@bc.edu.

Our review of applications will begin on October 1, 2021 and will continue until the position is filled. Boston College conducts background checks as part of the hiring process.

#### **Equal Employment Opportunity Statement**

Boston College conducts background checks as part of the hiring process.

Boston College is an affirmative action, equal opportunity employer. In concert with our Jesuit, Catholic mission, Boston College is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications for women, minorities, individuals with disabilities, and covered veterans.

#### **Boston University**

Assistant Professor

The Department of Computer Science at Boston University invites applications for two tenure-track assistant professorships beginning July 1, 2022. Strong applicants in all areas of computer science, including security, privacy, foundations of programming languages and formal verification, machine learning and optimization, systems, human-computer interaction, artificial intelligence, algorithms, and theory, are encouraged to apply. Qualifications required of all applicants

include a Ph.D. in Computer Science or a related discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels.

The Department consists of a diverse group of 32 tenured and tenure-track faculty members and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, graphics, image and video computing, machine learning, natural language processing, networking, distributed systems, operating systems, software design and implementation, realtime systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department collaborate closely with faculty across the university including mathematics and statistics, computer engineering, mechanical engineering, biology, earth and environment, economics, law, medicine, among others. The Department is committed to a diverse and inclusive environment, and it encourages applications from women and underrepresented minorities. All candidates are encouraged to demonstrate throughout their application their attention to diversity and inclusion as these topics relate to teaching, research, and engagement within the academic environment

Review of applications will begin on December 1, 2021 and continue on a rolling basis. Additional information about the Department is available at http://www.bu.edu/cs.

Qualified applicants should apply at https://academicjobsonline.org/ajo/jobs/19503.



Boston University expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly community. Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a Ph.D. to a woman and of our record of inclusiveness. The College of Arts and Sciences includes diversity as one of five strategic goals. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of Computer Science by underrepresented groups at BU and beyond. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor

#### **Boston University**

Assistant Professor in Energy, Sustainability, and Climate

The College of Engineering (COE) at Boston University (BU) has embarked on a bold new strategic plan that will pursue excellence and impact along six convergent research themes: (1) Intelligent, Autonomous and Secure Systems, (2) Synthetic Biology, Tissue Engineering, and Mechanobiology, (3) Energy, Sustainability and Climate, (4) Materials by Design (5) Photonics and Optical Systems, and (6) Neuroengineering, Neuroinformatics, and Neuroscience.

As part of the Energy, Sustainability, and Climate theme, pending Provost approval, the COE at BU is searching for tenuretrack faculty candidates at the Assistant Professor level, whose research interests align with one or more of the following areas: 1) Energy storage: Experimental/ computational research and/or life cycle analysis of batteries or alternate systems for grid-level storage, energy storage for electric vehicle (EV) applications including inductive charging of EVs, and efficient generation and storage of hydrogen. 2) Sustainable networks and computing: Smart power grid, including integration of distributed renewable generation, EV charging demands, or cyber-physical elements to the power grid; sustainable power or transportation networks for smart cities as well as their physical and economic interactions; and design of energy-efficient computing and communication systems and the optimization and integration of these systems with the smart grid. This is a COE-wide search, and the candidate will have a primary appointment in either the Mechanical Engineering (ME) or Electrical and Computer Engineering (ECE) departments. Cross-cutting research interests leading to secondary appointment(s) in another ENG department, Physics, Chemistry, and/or a Division (Materials Science and Engineering or Systems Engineering) would be encouraged. Interactions with the Institute for Sustainable Energy (ISE), the Sustainable Research Institute (SRI). the Center for Information and Systems Engineering (CISE) and/or the Hariri Institute for Computing and Computational Science and Engineering are highly encouraged. The

COE believes that the cultural and social diversity of our faculty, staff, and students is vitally important to the distinction and excellence of our research and academic programs. To that end, we are especially eager to have a colleague who supports our institutional commitment to ensuring BU is inclusive, equitable, diverse, and a place where all constituents can thrive join our ranks. Leading Assistant Professor tenure-track candidates will hold a PhD in Engineering or a related field, and will be prepared to conduct a research program that would complement and enhance the strengths of the COE. Candidates will be expected to teach courses at the graduate and undergraduate level in their home department and in cross-college courses. We are explicitly looking for candidates who have an interest in the Societal Impact of their research

For more information about BU and COE, please visit: <a href="http://www.bu.edu/eng/">http://www.bu.edu/eng/</a>

We encourage candidates to apply early. Applications received by December 15, 2021, will be given full consideration. Please submit to https://academicjobsonline. org/ajo/jobs/19227 your: 1) a cover letter that describes how your research and teaching interests fit within the interdisciplinary mission of the College of Engineering and how you—through your teaching and/or scholarship—will contribute to our goals to engender a more inclusive and diverse college, 2) a research statement, 3) CV, 4) a teaching statement, and 5) three letters of recommendation.



Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice and a commitment to broadening participation of underrepresented groups in engineering. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

#### **Boston University**

Associate Professor of the Practice

The Department of Computer Science invites applications for an Associate Professor of the Practice position beginning July 1, 2022. Qualifications required of all applicants include a Ph.D. in Computer Science or a related discipline, a strong professional record and industry experience, and a commitment to teaching. Particular attention will be given to candidates with interests in application areas of artificial intelligence, machine learning, and deep learning.

The Department consists of a diverse group of 32 tenured and tenure-track faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, graphics, image and video computing, machine learning, natural language processing, networking, distributed systems, operating systems, software design and implementation, real-

time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department collaborate closely with faculty across the university including mathematics and statistics, computer engineering, mechanical engineering, biology, earth and environment, economics, law, medicine, among others. The Department is committed to a diverse and inclusive environment, and it encourages applications from women and underrepresented minorities. All candidates are encouraged to demonstrate throughout their application their attention to diversity and inclusion as these topics relate to teaching, research, and engagement within the academic environment.

Review of applications will begin on November 1, 2021, and continue on a rolling basis. Additional information about the Department is available at <a href="http://www.bu.edu/cs">http://www.bu.edu/cs</a>.

Qualified applicants should apply at https://academicjobsonline.org/ajo/jobs/19506.

Boston University expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly community. Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a Ph.D. to a woman and of our record of inclusiveness. The College of Arts and Science includes diversity as one of five strategic goals. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of Computer Science by underrepresented groups at BU and beyond.

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

#### **Boston University**

Multiple Tenure-Track Faculty Positions

The Faculty of Computing & Data Sciences at Boston University invites applications for one tenured Associate Professor position and three tenure-track Assistant Professor positions, subject to provost approval. Qualifications required of all applicants include a PhD in any of the disciplines that span computing and data science; a strong record of research; a demonstrated capacity for interdisciplinary collaboration; and a commitment to innovative teaching at the undergraduate and graduate levels.

Founded in 2019, the Faculty of Computing & Data Sciences is a university-wide, degreegranting academic unit focused on core and applied areas of computing, computational, and data-driven inquiry. Housed in an iconic 19-story building with a convention-bending design to be completed in 2022, CDS complements traditional cognate academic disciplines by laying the foundation for innovation-driven, civic-minded computing to maximize the real-world impact of research, curricular, and co-curricular programs that are thematically aligned with strategic goals of the university.



Boston University expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly community, which is essential to its mission as expressed at http://www.bu.edu/info/about/diversity. BU is an AAU institution with a rich tradition of inclusion and social justice. We are proud of our record, including being the first American university to award a Ph.D. to a woman and the university from which Martin Luther King Jr. received his Ph.D. We are dedicated to increasing participation of all talented students, especially women and other underrepresented groups in Computing and Data Sciences.

All candidates pursuing research at the nexus of computing and data sciences will be considered. Candidates from underrepresented groups and candidates working in the following broad areas of research are encouraged to apply:

- (1) Basic research focused on the design, analysis, and implementation of data mining, machine learning, and AI systems, which are inspired by concepts from and/or address unique challenges arising in specific application domains, ranging from the natural, physical, biomedical, and social sciences to economics, education, public health, business intelligence, emerging media communications, computational humanities, and digital arts.
- (2) Basic research focused on the design, implementation, and application of computational and data science methodologies and platforms to tackle

important problems in biology, including research in algorithm development, computational modeling, machine learning, data mining, Al systems, and tools for generating and analyzing large biological datasets across all fields of biology and medicine, broadly interpreted.

(3) Fundamental, applied, and empirical research examining socio-technical and human-in-the-loop machine learning and AI systems operating within the context of legal, societal, economic, and public policy frameworks, including consideration of transparency, fairness, privacy, security, verifiability, and trust of data and software systems as they relate to concepts of autonomy, consent, governance, liability, and ethics.

We are accepting applications for three tenure-track positions – one in each of the three areas identified above. We are also accepting applications for a tenured position in the first of the three area identified above.

Consideration and review of applications will start on November 1, 2021, and will continue on a rolling basis until April 15, 2022.

Interested applicants should apply at https://academicjobsonline.org/ajo/jobs/19582.

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

#### **Bowdoin College**

Lecturer in Computer Science

The Department of Computer Science at Bowdoin College invites applications for the position of Lecturer starting July 1, 2022. The initial appointment will be three years, contingent on successful review after the first year, with the possibility of additional renewal upon subsequent reviews. We desire to fill this position with someone who (1) is an excellent teacher with a passion for computer science; (2) has a keen interest in computer science pedagogy, and (3) is excited to teach a diverse set of courses. The lecturer will keep abreast of advances in computer science pedagogy and use this expertise to support pedagogical innovation at Bowdoin. The teaching load for this position is five courses per year, generally two introductory-level courses and three intermediate courses. Ph.D. preferred; master's degree accepted.

Bowdoin provides strong support for faculty teaching and mentoring through the Baldwin Center for Learning and Teaching, the Colby Bates Bowdoin Pedagogy Matters collaboration, and the Office of the Dean for Academic Affairs, including teaching consultations and workshops, with a particular focus on designing and implementing intentional, inclusive, equitable, and effective learning environments for students.

Bowdoin is a learning community
that warmly welcomes people of all
backgrounds. We encourage applications
from candidates committed to the
instruction and support of a diverse



student population and from those who will enrich and contribute to the College's multifaceted diversity. We especially encourage candidates from historically excluded groups to apply.

Bowdoin College accepts only electronic submissions. Please visit https://careers. bowdoin.edu to submit: 1) a cover letter; 2) a curriculum vitae; 3) a statement that describes your teaching philosophy and how your teaching, scholarship, and mentorship supports our commitment to equity and inclusion (for more information on this approach, please see https://www.aacu.org/making-excellence-inclusive); 4) the names and contact information for at least three references who have agreed to provide letters of recommendation upon request.

Review of applications will begin November 1 and will continue until the position is filled.

Founded in 1794 on the Maine coast. Bowdoin is one of the oldest and most selective coeducational, residential liberal arts colleges in the country. Bowdoin's reputation rests on the excellence of its faculty and students, its intimate size, strong sense of community, commitment to diversity (36% students of color, 7% international students and approximately 15% first-generation college students), and treasured links with the people, history, and natural beauty of Maine. Bowdoin College is committed to equality and is an equal opportunity employer. We encourage inquiries from candidates who will enrich and contribute to the cultural and ethnic diversity of our college. Bowdoin College does not discriminate on the basis of age, race, creed, color, religion, marital status,

gender identity and/or expression, sexual orientation, veteran status, national origin, or disability status in employment, or in our education programs.

For further information about the department, the College, and Midcoast Maine, see our website *http://www.bowdoin.edu/*.

#### **Brown University**

Professor of Cybersecurity and International and Public Affairs Cyber and Security

The Watson Institute for International and Public Affairs at Brown University invites applications for a faculty position in "cyber and security" to begin in July 2022. We are seeking applicants whose research focuses on various aspects of the intersection between cyber technologies and human security. Research of interest includes. but is not limited to, topics such as the impact of algorithm-based surveillance on marginalized communities, the strategic manipulation of cyber information for geopolitical gain, the intersection between social media and surveillance. the implications of autonomous weapon systems and drone warfare, and the development of offensive and defensive cyber weaponry.

This faculty position will involve a joint appointment between the Watson Institute and a relevant tenure-granting disciplinary department at Brown. We are seeking applicants who have both proven technical expertise and the ability to engage existing

areas of strength in the Watson Institute. We welcome applicants with doctoral degrees from all relevant disciplines, including STEM fields (e.g., Computer Science, Applied Mathematics) and the social sciences (e.g., Sociology, Economics, Political Science, Anthropology, History, Africana Studies). The Watson Institute is especially interested in qualified candidates who can contribute through their research, teaching, and service to the diversity and excellence of the academic community.

Candidates at all ranks are welcome. A successful senior candidate must have an outstanding record of scholarly achievement, a proven record of successful research funding, and a demonstrated commitment to undergraduate and graduate teaching and advising. A successful junior candidate must be engaged in a research program with the potential to influence their field, and a strong commitment to undergraduate and graduate teaching and advising.

Junior candidates must have completed the PhD by the time of appointment. Review of applications will begin November 22, 2021, but applications will be accepted until the position is filled.

All candidates should submit: 1) a cover letter describing research completed and planned, 2) a curriculum vitae, 3) a short writing sample, and 4) a teaching statement. We ask that in both the cover letter and teaching statement, the candidate describe how their work fosters inclusive learning and diversity.

Senior candidates should include the names of five references whom the search committee can contact at an appropriate time. The



list of references can be submitted via the "additional documents" field in Interfolio.

Junior candidates should have three letters of reference and their official graduate transcript uploaded to Interfolio at the time of the application. The confidential recommendation letters should be uploaded to Interfolio by the referee.

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

Apply here: http://apply.interfolio.com/90590

#### **Brown University**

Lecturer in Computer Science

The Department of Computer Science at Brown University is seeking applicants for a faculty position at the rank of lecturer, senior lecturer, or distinguished senior lecturer.

The department strives to build a diverse and inclusive environment for all members of our community, and is particularly interested in candidates whose experience, teaching, service, or scholarship can further these efforts. Our department's detailed vision and action plan for diversity fits within Brown's broader commitment to this work.

The position and program have several distinguishing characteristics:

- While some of the teaching will be in firstand second-year courses, candidates will also teach some upper-level undergraduate courses, based on their expertise and department needs. Lecturers are expected to advise undergraduate research projects, and are welcome to participate in graduate research with the rest of the faculty. Lecturers with substantial research participation and supporting funds may be eligible for periodic course release.
- 2. Over the past few years, the department has begun to successfully roll out an initiative to embed socially responsible computing content across our curriculum in a pioneering model. The initiative is supported by dedicated teaching assistant positions, a faculty coordinator, and an administrative coordinator. Though all faculty take responsibility for executing this vision, interested lecturers are in a particularly good position to shape and drive it
- 3. The department has a strong undergraduate culture, anchored by a mature program for undergraduate teaching assistants (endowed at \$10 million), as well as a long history of top-caliber published undergraduate research. All faculty therefore get to work closely with undergraduates in multiple capacities on a continuum from classroom to research.

The initial appointment would be for a 3-year period (renewable with potential for promotion and longer-term contracts). This position is part of a major expansion plan for the department as it is increasing its roster by 50% over the

next few years. The position involves teaching four undergraduate courses per year, academic advising, and engaging with the department's intellectual culture. Lecturers participate fully in faculty meetings and department initiatives. The department values teaching and educational innovation, and welcomes candidates interested in formally researching computing education in the context of their teaching (though this is not a requirement).

Brown offers a vibrant community for both teaching and research, with 32 tenured and tenure-track faculty members, five lecturers (teaching faculty members), two research faculty and several affiliated, adjunct, and visiting faculty members. Research and graduate programs leverage disciplinary strengths in CS as well as Brown's broader interdisciplinary culture. CS is a founding partner in multiple university-wide initiatives including Data Science, Computational Molecular Biology, Human-Centered Robotics, and the currently-launching Center for Computing for the People.

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



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

The position is expected to start in the fall of 2022. In selecting candidates, we will consider quality and effectiveness of teaching, commitment to diversity and inclusion, and compatibility with the area needs and interests of the department, as well as potential for effective participation in department or university activities. For all applicants, we will consider potential for impact beyond Brown (through teaching, research, significant system building, outreach, or other professional activities, as appropriate for the candidate). Applicants must have a Ph.D. by the start of the position. Applicants must submit a cover letter, a CV, a teaching statement, a diversity statement (which can be included in the teaching statement) and a research statement (or a statement describing other significant professional activities beyond classroom instruction). Candidates must also arrange for at least three letters of reference to be submitted through the application website.

### To apply, please use Interfolio: http://apply.interfolio.com/96157.

Review will begin on November 1, 2021, but applications will be considered until the position is filled. Inquiries may be addressed to: teaching\_faculty\_search\_2022@lists.cs.brown.edu

#### **Brown University**

Tenure-track Faculty in Computer Science

The Department of Computer Science at Brown University is hiring multiple tenure-track faculty members at the level of Assistant Professor.

The department strives to build a diverse and inclusive environment for all members of our community, and is particularly interested in candidates whose experience, teaching, service, or scholarship can further these efforts. Our department's detailed vision and action plan for diversity fits within Brown's broader commitment to this work.

We are focused on candidates whose research addresses at least one of the following:

- theoretical computer science, especially design and analysis of algorithms
- computer science education
- computer systems (broadly construed, including but not limited to distributed systems, networks, security, databases, programming languages, and architecture)

While we are specifically interested in candidates who connect to the areas listed above, we will also consider other candidates who have the potential to make exceptional contributions to goals around diversity and inclusion.

These positions are a part of a major expansion plan for the department as it works to increase its faculty roster by close to 50% over a five-year period. While many of these positions will be used to strengthen and expand core CS areas, some will be

used to build bridges with other campus disciplines to facilitate interdisciplinary research and teaching. As a part of our overall plan, we are also emphasizing socially responsible computing throughout our curriculum and research.

The department has 32 tenured and tenuretrack faculty members, 2 research faculty members, 5 lecturers (teaching faculty members), and several affiliated adjunct and visiting faculty members. In addition to its strong graduate program, the department has a strong undergraduate culture, anchored by a mature, endowed program for undergraduate teaching assistants and research assistants. Department members frequently take advantage of Brown's interdisciplinary culture via collaborations with numerous other Brown units including Applied Mathematics, Biology, Brain Sciences, Cognitive Linguistic and Psychological Sciences, Economics, Engineering, Mathematics, Medicine, Public Health, Public Policy, and Visual Arts, as well as the Rhode Island School of Design. CS is a founding partner and plays key roles in major university-wide programs and initiatives including Data Science, Humanity Centered Robotics, Computational Molecular Biology, and the currently-launching Center for Computing for the People.

Brown University is committed to fostering a diverse, inclusive, and global academic community. As an EEO/AA employer, Brown considers applicants for employment without discrimination on the basis of gender, race, protected veteran status, disability, or any other legally protected status. The department is similarly committed to building a diverse faculty and strongly encourages women,



underrepresented minorities and those who can contribute to the excellence, diversity, and inclusivity of our academic community. We ask the candidates to report any relevant experience, including work with diverse constituents, and plans in their applications.

Brown University is located in Providence, RI, 60 miles from Boston and about 180 miles from New York City, both accessible via frequent rail service, and close to Narragansett Bay. Providence has been consistently rated among the Northeast's most livable cities and is home to diverse intellectual, artistic, and business communities.

Applicants must have completed all requirements for the doctoral degree by the start of the position. The initial appointment as assistant professor is for four years and is renewable. Applicants should submit a cover letter, a CV, a teaching statement, and a research statement. Please also provide a diversity statement (which can be part of the teaching statement), in which you summarize your past and planned contributions to diversity and inclusion. These contributions may arise from teaching/mentoring, outreach, lived experience, or other activities. Applicants should also arrange for at least three letters of reference to be submitted through the application website. (For additional information about the university's and department's commitment to diversity and inclusion, see www.brown.edu/about/administration/ institutional-diversity/pathways and www. cs.brown.edu/about/diversity.) We are eager to try to accommodate the needs of, and welcome applications from, dual-career couples.

Applications will be considered until the position(s) are filled but we strongly encourage the candidates to submit complete applications (including reference letters) by December 1, 2021 for full consideration. We will start application reviews and interviewing immediately and highly encourage early applications. Applicants who would like confidentiality should explicitly mention this desire in the first paragraph of their cover letters.

To apply, please use Interfolio: https://apply.interfolio.com/96187. Inquiries may be addressed to: faculty\_search\_2022@lists.cs.brown.edu.

## California Institute of Technology

Faculty Position in Computing and Mathematical Sciences

The Computing and Mathematical Sciences (CMS) Department at the California Institute of Technology (Caltech) invites applications for tenure-track faculty appointments. Exceptional applications at the tenured level may also be considered. The CMS Department is part of the Division of Engineering and Applied Science (EAS), comprising researchers working in and between the fields of aerospace, civil, electrical, environmental, mechanical, and medical engineering, as well as materials science and applied physics. The Institute as a whole represents the full range of research in biology, chemistry, engineering, geological and planetary sciences, physics, and the social sciences.

We welcome applicants with research and teaching interests in any area of computer science and/or applied mathematics, broadly defined, including research that connects to other fields at Caltech. Commitments to worldclass research, to high-quality teaching and mentoring, and to enhancing diversity, equity, and inclusivity are expected. Appointment as an assistant professor is contingent upon the completion of a Ph.D. degree in computer science, applied mathematics or related areas. An initial appointment at the assistant professor level is four years. Reappointment beyond the initial term is contingent upon successful review conducted prior to the commencement of the fourth year.

- Interviews will take place in January and February 2022.
- Applications will be reviewed beginning 25
   October 2021, and all applications completed
   with all required materials uploaded before 1
   December 2021 will receive full consideration.
- Applications completed before 10 November will be considered for interviews in January.
- Applications completed after 10 November will be considered for interviews in February.

Applicants should include a diversity, equity, and inclusion (DEI) statement that discusses past and/or anticipated contributions to improving diversity, equity, and inclusion through research, teaching, service and/or outreach.

For a list of all documents required, and full instructions on how to apply online, please visit https://applications.caltech.edu/jobs/cms.

Questions about the application process may be directed to search@cms.caltech.edu.



Caltech has implemented a mandatory vaccination policy effective October 15, 2021, requiring COVID-19 vaccinations for all employees (with Institute-approved exemptions for religious or medical contraindications only). At present, an individual is deemed "fully vaccinated" when that person has received, at least 14 days prior, either the second dose in a two-dose COVID-19 vaccine series (e.g., Pfizer or Moderna) or a single-dose COVID-19 vaccine (e.g., Johnson & Johnson). As a condition of employment, employees must submit official COVID-19 vaccine documentation. More information may be found at https://together.caltech.edu.

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

#### California State Polytechnic University

Assistant Professor, Computer Science (2 Positions)

The Computer Science Department at California State Polytechnic University, Pomona invites applications for two tenure-track positions at the rank of Assistant Professor beginning in the 2022-2023 academic year. We are particularly interested in candidates with specialization in Software Engineering, Systems and Data Science and related areas. Strong candidates from other areas are also encouraged to apply.

Cal Poly Pomona is 30 miles east of L.A. and is one of 23 campuses in the California State University. The department offers an ABET-accredited B.S. program and a strong M.S. program. Qualifications: Possess at the time of appointment, a Ph.D. in Computer Science or closely related area. Demonstrate a commitment to actively engage in the teaching, research, and curricular development activities of the department at both undergraduate and graduate levels, and demonstrate a commitment to contribute. teach, and engage in a multicultural environment with a diverse student body (36% URM). Have an ability to teach a broad range of courses, and to articulate complex subject matter to students at all educational levels and backgrounds.

The application process also requires submission of a student success statement that demonstrates applicant's commitment and record of contributions through their teaching, scholarship, or service to at least two of the inclusive excellence criteria listed in the detailed position announcement and application found at <a href="http://apply.interfolio.com/95651">http://apply.interfolio.com/95651</a>.

First consideration will be given to completed applications received no later than December 5, 2021. Contact: Faculty Search Committee, Computer Science Department, Cal Poly Pomona, Pomona, CA 91768. Email: cs@cpp.edu

Lawful authorization to work in the US is required to gain an offer for employment. EOE/Minorities/Females/Vets/Disability.

#### California State University Northridge

Assistant Professor - Department of Computer Science

The department of Computer Science at California State University, Northridge (CSUN) is seeking a tenure-track faculty member in several specializations at the rank of assistant professor.

The successful candidate will teach a variety of courses at both the undergraduate and graduate levels and have research interests in an appropriate area. Preferred research areas are listed in the Preferred Qualifications section below

In addition to teaching, the position requires weekly office hours, attending faculty meetings, and service to the department, college, and university. The successful candidate will be held to the standards and requirements of the college and department in which he/she/they is/are housed for recommending tenure and promotion.

#### **Preferred Qualifications:**

Specialization in Computer Graphics, Operating Systems, Networks, Parallel and Distributed Computing, Cybersecurity, Database Systems, Cloud Computing or Software Engineering is desired. Candidates with specialization in other areas will be considered.

Screening of applications will begin
December 1, 2021. Priority will be given
to applicants who meet the screening
deadline; however, the position will remain
open until filled.



#### How to Apply:

To submit an application and for more detailed information on the application and hiring process, please visit: www.csun.edu/careers. Faculty Hire Number: 22-25

California State University Northridge, one of the largest of the 23 campuses of the California State University system, is located twenty-five miles northwest of central Los Angeles in the San Fernando Valley, a suburb with a multi-cultural population of over one million people. CSUN is an EEO/AA employer.

For more information about the Department of Computer Science, see: https://www.csun.edu/compsci

#### Carnegie Mellon University, Pittsburgh, Pennsylvania

Director of the Human-Computer Interaction Institute

Carnegie Mellon University (CMU) seeks a visionary and highly collaborative leader to serve as the Director of the Human-Computer Interaction Institute (HCII) in the School of Computer Science (SCS). This is an exceptional opportunity to lead the foremost Human-Computer Interaction program in the world in its research and education missions--developing the next generation of HCI scholars and continuing to transform the field. Carnegie Mellon's SCS, the nation's top-ranked computer science school, provides an unparalleled scaffold for HCII's pathbreaking research and is renowned for its collegial, innovative, and entrepreneurial environment, with seamless collaborations across departments, institutes, and with other Schools and Colleges at CMU. The Director will further enable HCII's faculty, staff, and students to push forward the boundaries of the field, connect with pioneering researchers across the School and the University, and solve some of the world's most challenging problems at the interface of society and computing.

The School of Computer Science at Carnegie Mellon University is a leading center for computer science research and education. With total annual research expenditures of nearly \$110 million (within a budget of approximately \$180 million), it currently enrolls over 2,300 students across three undergraduate majors, additional undergraduate programs, eight distinct Ph.D. programs, and over 20 Masters programs. It is home to approximately 270 faculty and 540 staff across seven academic departments. Founded as the Computer Science Department in 1965, one of the world's first. it transformed into a School of Computer Science in 1988 with the prescient vision to lead the world in the study of computers and the technologies they enable. Since then, it has steadily grown in stature and impact. Today, it is widely recognized as one of the top computer science schools in the world, and it is tied for the #1 ranking among computer science organizations by US News and World Report.

Overseeing an operating budget of approximately \$14 million and annual research expenditures exceeding \$13 million, the Director of the HCII will lead its 39 faculty members into the Institute's next phase of growth. With the formal launch of the nation's first undergraduate

degree in human-computer interaction. HCII will produce specialists with a strong foundational knowledge of computer science and wide-ranging skills in developing world-changing digital technologies. As these technologies continue to expand beyond mobile applications and websites into conversational interfaces, the internet of things, and augmented/virtual reality, the work of the HCII becomes ever more important. The Director will continue to provide ample research opportunities for students, nurture and cultivate talented graduate students and young faculty, and ensure that HCII continues to pioneer approaches to design-based, interdisciplinary computing research.

Review of applications, nominations, and expressions of interest will begin immediately and continue on a confidential basis until an appointment is made. All inquiries, nominations/referrals, and applications (including curriculum vitae and letters of interest) should be submitted to Andrew Lee, Vijay Saraswat, and Jane McInerney via Isaacson, Miller's website: http://www.imsearch.com/8106.

Carnegie Mellon University considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

#### **Carnegie Mellon University**

**CMU** ETC Teaching Faculty

Carnegie Mellon University's
Entertainment Technology Center is
hiring Teaching Track Faculty with



backgrounds in game design, software engineering and leadership & innovation. https://www.etc.cmu.edu/etc-faculty-search/

Help us shape the future of the premiere professional degree program in entertainment technology. Join us as we diversify our project-based curriculum and prepare our students to build the entertainment professions of the 21st century.

Your responsibilities will include:

- Teach, with co-faculty, three sections of the semester ETC Project Course. Supervise students within their project teams (typically 4-6 students each) and provide constructive criticism on project materials
- Mentor a diverse body of students and assist their professional growth, particularly related to areas of expertise and experience
- Develop and teach one to two elective classes per year in your choice of subject, preferably in the areas of expertise and experience.

#### Qualifications:

We are seeking an individuals who hold a B.S. or B.A. in a relevant discipline and have proven industry experience of five or more years. An advanced degree is not required for candidates with extensive professional experience in relevant areas, but having such a degree is a plus. Our students desire to understand how real-world professional design & development occurs. Ideal candidates will be able to show evidence of practices

which promote and support diverse perspectives and underrepresented and underserved voices in the field.

You should be able to demonstrate:

- Strong collaboration and interpersonal skills
- In-depth understanding of industry and/ or independent professional design and development
- A high level of expertise developing experiences from playable prototype to polished completion
- The ability to help students work well on interdisciplinary teams
- A passion for teaching in related areas

#### **Carnegie Mellon University**

Faculty Positions

The Department of Electrical and Computer Engineering (ECE) at Carnegie Mellon
University is accepting applications from candidates for tenure-, research-, and teaching-track positions at all ranks for our Pittsburgh campus. While all areas will be considered, we have particular interest in candidates who focus on research and teaching for Machine Learning. Al Systems, and Computational Engineering Software.

The ECE department and College of Engineering are ranked among the top programs in the United States, both at the undergraduate and graduate levels. We are an extremely collaborative department with ties to several multidisciplinary institutes and centers. We collaborate with colleagues around the world through a number of

research and educational programs. We have world-class experimental and computing infrastructure, including state-of-the-art nanofabrication facilities.

Our mission is to be a creative driving force of the highest scholarly and entrepreneurial quality that will inspire and educate engineers to solve important societal challenges. The foundation of our collaborative research is based on a strong practice of inclusion. We take pride and active steps in considering a diverse applicant pool in terms of gender, race, veteran status, and disability. Carnegie Mellon University further seeks to meet the needs of dual-career couples and is a member of the Higher Education Recruitment Consortium (HERC) that assists with dual-career searches.

For all tracks, we are seeking individuals who hold a Ph.D. in a relevant discipline and have demonstrated commitment to our core values: creativity, quality, innovation, and engineering solutions.

- Tenure-track faculty carry a moderate teaching load that allows time for quality research and close involvement with students. We expect Tenure-track faculty to establish and grow a strong research program, contribute to our teaching mission, and demonstrate a passion for mentoring and advising students.
- Research-track faculty are not required to teach but do so when it is mutually beneficial to the faculty and the department. Research-track faculty are compensated for both teaching and advising Ph.D. students. These faculty members primarily focus on developing



leadership within one or more areas of research, forming research collaborations, and supervising of Ph.D. students.

 Teaching-track faculty focus primarily on teaching but our curriculum includes research opportunities as well. Teachingtrack faculty serve as a core part of our strategy for our undergraduate education and mentoring mission.

Apply Now: https://apply.interfolio.com/94875

#### **Colorado College**

Assistant Professor

The Department of Mathematics and Computer Science at Colorado College invites applications for a tenure-track position at the Assistant Professor level to begin in August of 2022. We encourage candidates from all areas of computer science to apply. We seek a computer scientist with broad teaching interests who can teach introductory as well as advanced computer science courses to a diverse community of undergraduate students and mentor computer science majors who are completing a capstone experience. All candidates should be able to teach our introductory sequence, currently taught in Java, and a variety of advanced computer science courses including a CS elective in their primary field of study. The successful candidate should also be able to develop and maintain a rigorous research program that can engage undergraduate students. Mentoring and advising students interested in computer science both at the introductory and more senior level is expected. Finally, the successful candidate

will be expected to contribute to the department and the college through service.

Colorado College is a nationally recognized, residential liberal arts college with about 2,000 students. The city of Colorado Springs offers many cultural and recreational activities in the foothills of the Rocky Mountain Region. The college actively promotes a dynamic and inclusive environment in which students and employees of diverse backgrounds, cultures, and perspectives can learn and work. Strong candidates should share the college's and department's deep commitment to antiracism (Antiracism at CC) and be committed to the principles of diversity, equity and inclusion (DEI) in all facets of life at the college.

The department fosters a supportive, inclusive, and equitable learning community of faculty and students who share a passion for computer science. It is our goal to provide a nurturing learning environment that stimulates growth and intellectual exploration. The department values depth and breadth in computer science; potential for implementing innovative, inclusive and equitable teaching methods in a liberal arts setting; and mentored undergraduate research. One distinguishing feature of Colorado College is its Block Plan, in which professors teach, and students take, one course at a time. Professors teach five of eight blocks in an academic year and devote one block to supervising capstone projects. Each block is three and a half weeks long.

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

Applications should also contain: a teaching statement including a discussion of your potential to incorporate active learning strategies; a research statement discussing your research interests and potential for including undergraduate students in your work; an antiracism statement detailing your potential to contribute to antiracism and DEI at Colorado College through your teaching, research, and/or service; graduate school transcripts, and three confidential letters of recommendation (request that writers submit separately). At least one letter should comment on teaching experience and potential and at least one other letter should focus on research. A Ph.D. in Computer Science or related field is required. Applicants should provide evidence of teaching effectiveness, if available. Applications from candidates who have reached ABD status will be considered.

Salary range: \$82,000 to \$84,500

Applications received by October 25, 2021, will receive full consideration.

### To apply, please visit: https://employment.coloradocollege.edu/postings/5424

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



#### **Colorado School of Mines**

Tenured/Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science at Colorado School of Mines (Mines) invites applications for multiple open rank tenured/ tenure-track faculty positions in CS@ Mines (applications considered at assistant, associate, and professor levels), anticipated to begin in August 2022. While all qualified candidates are encouraged to apply, the department is especially interested in candidates in the area of intelligent systems, with research specialization in one or more of the following areas, due to their synergies with existing departmental and university strengths: Data-Driven areas (e.g., Machine Learning, Computer Vision, and Database Systems / Data Engineering), Systems-Level areas (e.g., Cybersecurity, Cyber-Physical Systems, and Embedded Systems), and Human-Centered areas (e.g., Human-Computer Interaction, Human-Centered Design, and Computing and Social Justice). Mines encourages applications from qualified candidates who will contribute to the diversity and excellence of our academic community through their research, teaching, and service

Review of applications will begin immediately.

See details and application link here: https://jobs.mines.edu/en-us/job/495212/tenuredtenure-track-faculty-in-computer-science

#### **Colorado State University**

Computer Science Instructor -Open Pool

The Department of Computer Science at CSU seeks applicants for the 2021-2022 school year from individuals who are interested in obtaining teaching positions within the department. The open positions may be temporary or special assignment and are non-tenure track. Annual terms and reappointment may depend on performance and/or the continued availability of funding. Please submit a cover letter stating your interest in employment, (2) a current curriculum vitae that details relevant teaching experience, (3) a statement of teaching philosophy, and (4) the names and contact information for three professional references. Please indicate in your application materials your interest in being considered for temporary assignment openings and/or long-term assignment openings.

All applications must be submitted through the website. Do not e-mail applications to the contact person listed on this posting. Incomplete applications will not be considered. Interested applicants may apply electronically at <a href="https://jobs.colostate.edu/postings/92730">https://jobs.colostate.edu/postings/92730</a>. References will not be contacted without prior notification to candidates.

The open pool is valid through September 30, 2022, at which time all applicants wishing to remain in the open pool must reapply.

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

#### **Columbia University**

Faculty (Open Rank)

Columbia Engineering invites applications a for a tenure-track faculty position in the Department of Computer Science at Columbia University in the City of New York at all levels, to begin July 1, 2022. Applications are sought in all areas of systems in computer science. 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 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. The Department is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

Applications should be submitted electronically: *apply.interfolio.com/96799* and include the following: a cover letter, current CV, teaching statement, brief summary of research, and at least three letters of recommendation. At least two of the letters of recommendation must address teaching ability.

Review of applications will begin on December 1st, 2021, and will continue until the positions are filled.



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

#### **Columbia University**

Faculty Position (Open Rank)

Columbia Engineering invites applications for one open-rank faculty position in the Department of Industrial Engineering and Operations Research. The position targets candidates with research and teaching interests in the area of analytics, with applications in supply chains, online platforms, energy, health care, sustainability, transportation, social networks, e-commerce, and other related areas.

**REQUIRED QUALIFICATIONS:** Applicants must have an earned Ph.D. in operations research, computer science, machine learning, statistics, or closely aligned field from a nationally or internationally recognized university by the appointment start date. Candidates must have a demonstrated record of research published in or demonstrated potential to publish in premier journals in operations research and management science.

Appointments will be made at the rank of Assistant Professor, Associate Professor, or Professor, depending on the qualifications of the applicant.

The Department is particularly interested in qualified candidates who can contribute to the diversity and excellence of the university community. Columbia encourages multidisciplinary research and collaborations across academic units on the campus. The candidate will benefit from interactions with various





## LONG-TERM LECTURER OR SENIOR LECTURER Ithaca, NY campus

#### Welcoming applicants specializing in...

- Web Programming and Design
- Data Science
- Information Visualization
- Network Science
- Information Ethics, Law, and Policy

TO APPLY, VISIT academicjobsonline.org/ajo/jobs/19577

**Application deadline:** November 15, 2021 **Questions?** fac\_recruit@infosci.cornell.edu



faculty from the School of Engineering and Applied Sciences, the Data Science Institute,

the Columbia Business School, and the School of Arts and Science.



For additional information and to apply, please see: http://engineering.columbia. edu/faculty-job-opportunities or apply. interfolio.com/94663.

Applications should be submitted electronically and include the following: curriculum-vitae including a list of publications, 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. Applicants are encouraged to submit a statement that discusses their contributions to diversity initiatives.

All applications received by November 19, 2021 will receive full consideration. We will meet candidates who apply early during the INFORMS 2021 Annual Meeting. Inquiries should be directed to *facultysearch@ieor. columbia.edu*.

Applicants can consult ieor.columbia.edu for more information about the department.

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

#### **Cornell University**

Faculty Positions - Computer Science, Cornell Tech

The Cornell University Department of Computer Science (CS) in the Cornell Bowers CIS College of Computing and Information Science has tenure track and tenured faculty positions available at the Cornell Tech campus in New York City. Cornell CS



CORNELL HOME OF THE JACOBS TECHNION-CORNELL INSTITUTE



## TENURE-TRACK AND TENURED FACULTY Cornell Tech campus, NYC

#### Welcoming applicants specializing in...

- Design and Technology
- Fairness, Accountability, and Transparency in Computational Systems

TO APPLY, VISIT academicjobsonline.org/ajo/jobs/19575

Application deadline: December 1, 2021 Questions? fac\_recruit@infosci.cornell.edu



is ranked among the top computer science departments in the country.

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



Applications in areas relevant to the research trajectories and priorities at the Cornell Tech campus are particularly encouraged, including broadly in systems, software engineering, machine learning and artificial intelligence, and related application areas such as computer vision, mixed reality, and robotics. We especially welcome applicants whose scholarship and service further the department's goals around diversity and inclusion.

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

Cornell Tech is a graduate campus of Cornell University located on Roosevelt Island in New York City. It includes the Jacobs Technion-Cornell Institute, a joint academic venture between Cornell and the Technion - Israel Institute of Technology. Cornell Tech's academic environment encourages tight integration across disciplines in technology, business, law, and design, couples fundamental research with practice, and supports societal and commercial ventures alongside research and education. In addition to world-class academic work. a distinguishing characteristic of our research is that it engages deeply with external communities, organizations, and industry to address real-world problems and





## TENURE-TRACK AND TENURED FACULTY Ithaca, NY campus

#### Welcoming applicants specializing in...

- Computational, Theoretical, or Mathematical Approaches to Information Science Research
- Network Methods
- Mechanism Design
- Game Theory
- Computational Social Choice

TO APPLY, VISIT academicjobsonline.org/ajo/jobs/19576

**Application deadline:** December 1, 2021 **Questions?** fac\_recruit@infosci.cornell.edu



contexts that amplify the direct societal and commercial impact of our research. Hubs in Health Tech, Urban Tech, and Public Interest Tech exemplify this approach, bringing together researchers, practitioners and communities to collaborate.



Tenured and tenure-track faculty must hold the equivalent of a Ph.D. Applicants must have demonstrated an ability to conduct outstanding research, and should have a strong commitment to engagement outside of academia in ways that foster significant commercial or societal impact, as aligned with the mission of the Cornell Tech campus. Successful candidates are expected to pursue an active research program, to teach Masters and Ph.D.-level graduate courses, and to supervise graduate students.

To ensure full consideration, applications should be received by December 1, 2021, but will be accepted until all positions are filled.

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

Applicants should submit a curriculum vitae, a diversity statement, and statements of research and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted. A distinguishing characteristic of research at Cornell Tech, in addition to world-class academic work, is that it engages deeply with external communities, organizations, K-12 education, and industry to address real-world problems and contexts that amplify the direct commercial and societal impact of our research. Accordingly, within a clearly identified subsection of the Research Statement, the candidate should address prior accomplishments and future plans related to the commercial and/or broader public engagement and societal impact dimensions of their research.

The above application information should be submitted online at: https://academicjobsonline.org/ajo/jobs/19808.

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

Diversity and Inclusion are a part of Cornell
University's heritage. We are a recognized
employer and educator valuing AA/EEO,
Protected Veterans, and Individuals with
Disabilities. We also recognize a lawful
preference in employment practices for Native
Americans living on or near Indian reservations.
Cornell University is an innovative Ivy League
university and a great place to work. Our
inclusive community of scholars, students,
and staff impart an uncommon sense of
larger purpose, and contribute creative ideas
to further the university's mission of teaching,
discovery, and engagement.

#### **Cornell University**

Full-Time Lecturer Opportunity

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

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

A typical full-time (100%) effort load for a Lecturer in Computer Science is two courses per semester, as well as collaborative engagement in the further development of Cornell's educational mission. The department offers a competitive salary and benefits package, and lecturers play a full and active part in



departmental life, from curriculum design and innovation to participation in wider faculty governance and decision-making.

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

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

Application materials should be submitted at: https://academicjobsonline.org/ajo/jobs/20091

Evaluation of applicants will begin November 1, 2021 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. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations. Cornell University is an innovative lvy League university and a great place to work. Our inclusive community of scholars, students, and staff impart an uncommon sense of larger purpose, and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.

The Computer Science department is home to 22 tenured and tenure-track faculty members and three research faculty members, and is committed to working towards a significant expansion in that number over the next decade, in a new dedicated Computer Science and Engineering Center whose construction is scheduled to be complete in 2021. The department has strong Ph.D. and M.S. programs and outstanding undergraduate majors. We are particularly interested in applicants who have a demonstrated ability to contribute to Dartmouth's diversity initiatives in STEM research, such as the Women in Science Program, E.E. Just STEM Scholars Program. and the Academic Summer Undergraduate Research Experience (ASURE).

Please see Interfolio link for more information or to apply: apply.interfolio. com/92918

#### **Dartmouth College**

Assistant Professor of Computer Science

The Computer Science Department at
Dartmouth College invites applications for
two tenure-track positions at the level
of Assistant Professor. We will consider
candidates whose research focus is in
Computer Vision, Machine Learning, or any
subfields of Machine Learning, including
but not limited to: foundations of machine
learning, machine perception, health, natural
language processing, robotics, humancomputer interaction, and graphics.

#### **Dartmouth College**

Associate or Full Professor of Computer Science

The Dartmouth College Department of Computer Science invites applications for a full-time tenured faculty position at the rank of Associate or Full Professor. We seek qualified candidates who will be excellent researchers and teachers in the broad range of areas related to cybersecurity, as part of a cluster of hires the college has made in the area of cyber-security. We particularly seek candidates who will help lead, initiate, and participate in collaborative research projects within Computer Science and beyond, including Dartmouth researchers



from other Arts & Deficience of School of Medicine, Thayer School of Engineering, and Tuck School of Business.

The Computer Science department is home to 22 tenured and tenure-track faculty members and three research faculty members, and is committed to working towards a significant expansion in those numbers over the next decade, in a new dedicated Computer Science and Engineering Center whose construction is scheduled to be complete in 2021. Research areas of the department encompass the areas of security, computational biology, machine learning, robotics, systems, algorithms, theory, digital arts, vision, and graphics. The Computer Science department has strong Ph.D. and M.S. programs and outstanding undergraduate majors. The department's security faculty members are affiliated with Dartmouth's Institute for Security, Technology, and Society (ISTS), which also involves faculty from Government, Engineering, Sociology, and Business.

For more information or to apply, please visit Interfolio here: apply.interfolio. com/93523

#### Dartmouth College Neukom Fellows

Call for Applications

The Neukom Institute for Computational Science at Dartmouth College is pleased to announce the Neukom Postdoctoral Fellows competition for positions starting September 1, 2022.

Neukom Fellows are interdisciplinary positions for recent Ph.D.s, DMAs, or MFAs whose research interests or practice cuts across traditional disciplinary boundaries, and has some computational component, whether it be a framing concept for intellectual exploration or an explicit part of the work that is pursued. The successful candidate should have a history of collaborative work across disciplines, but still show evidence of independence and initiative. They must have their Ph.D. in any discipline or expected by September 2021, DMA or MFA. The Fellowships are two year appointments.

Neukom Fellows will be mentored by faculty in two departments at Dartmouth College, take up residence in one department, and will teach one seminar course each year on a subject of their interest. Beyond that there are no additional duties. Neukom Fellow stipends are \$60,000. Additional funds are available for equipment, travel, and research materials.

Applications must be submitted here: http://academicjobsonline.org/ajo/jobs/19019

### **Drew University**

Tenure-track faculty position in Computer Science

The Department of Mathematics and Computer Science at Drew University in Madison, NJ invites applications for an open rank tenure-track faculty position in Computer Science to begin in Fall 2022. Strong candidates in all areas of computer science are encouraged to apply, but preference will be given to candidates who

can teach in the areas of cybersecurity and software engineering. Applicants are expected to have completed a PhD in computer science, computer engineering or a closely related field by September 1, 2022.

For more information or to apply: https:// drew-university.oasisrecruit.com/ job/319476/tenure-track-faculty-positionin-computer-science

### **Drexel University**

Department of Electrical and Computer Engineering - Faculty Position

The Department of Electrical and Computer Engineering (ECE) at Drexel University seeks applications for a tenure-track faculty position at the rank of assistant professor. Primary consideration will be given to candidates with expertise in robotics and automation in the context of smart, integrated cities, although excellent ECE candidates in other interdisciplinary and cross-cutting areas are also encouraged to apply. We seek candidates who can establish a dynamic ECE research program along with the potential to collaborate on current programs such as machine learning, biomedical imaging, medical robotics, and the Internet of Things. Candidates must have a PhD degree in a related field by the September 1, 2022 start date, with outstanding academic and/or industrial credentials. Exceptional candidates with or without limited postdoctoral experience will also be considered.

Drexel ECE is recognized for educating outstanding engineers, world-class research, and service to the profession. The College of Engineering strives to create a welcoming,



diverse, and inclusive environment. The college values inclusion as a core strength and an essential mission of our founder, AJ Drexel's mission of preparing each new generation of students for productive, professional, and civic lives, while also focusing our collective expertise on solving society's greatest problems. Drexel University is located in the heart of Philadelphia, Pennsylvania – a vibrant and diverse city with easy access to other major northeast metropolitan cities.

Apply here: https://drexel.edu/engineering/ about/employment-opportunities/ faculty-cluster/electrical-and-computerengineering/

#### **Duke University**

AI/ML/Computational Economics Tenure-Track or Tenured Faculty Position in Computer Science

The Department of Computer Science at Duke University in Durham, North Carolina, invites applications and nominations for tenure-track or tenured faculty positions at all ranks, in the areas of artificial intelligence, machine learning, and computational economics. We are particularly but not exclusively interested in candidates who apply their strong theoretical, algorithmic, and computational skills to areas of societal interest.

Candidates are expected to have a doctoral degree in computer science or a related field. A successful candidate must have a solid disciplinary foundation and demonstrate the promise of outstanding scholarship in every regard, including research and teaching. A successful candidate at the full professor level is expected to take a significant

departmental and university leadership role in strengthening the important strategic area of artificial intelligence.

Applicants should submit their materials (cover letter, curriculum vita, research statement, teaching statement, contacts for at least three references) electronically through AcademicJobsOnline (https://academicjobsonline.org/ajo/jobs/19916), and solicit letters of reference. For full consideration, applications and references should be received by December 15, 2021.

Computing is a focus area of Duke Science and Technology (DST), a signature initiative at Duke supported by significant philanthropic investment that involves strategic recruitment of exceptional faculty. Candidates in the field of computing who applied to the DST search will be automatically considered by our departmental search committees.

Duke is committed to further enhancing the diversity of its faculty and students. We seek faculty members who are also committed to building a diverse and inclusive community, which fosters excellence in research and teaching. We strongly encourage applications from women and underrepresented minorities in computing. Please see www. cs.duke.edu and www.faculty.duke.edu for information about the Department and advantages that Duke offers to faculty.

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

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

Duke aspires to create a community built on collaboration, innovation, creativity, and belonging. Our collective success depends on the robust exchange of ideas-an exchange that is best when the rich diversity of our perspectives, backgrounds, and experiences flourishes. To achieve this exchange, it is essential that all members of the community feel secure and welcome, that the contributions of all individuals are respected, and that all voices are heard. All members of our community have a responsibility to uphold these values.

### **Duke University**

Open Rank Tenure-Track Faculty
Positions - Machine Learning, Data
Science, Biostatistics

The Duke University Department of
Biostatistics and Bioinformatics invites
applications for multiple tenure-track
faculty positions in all aspects of
machine learning, artificial intelligence,
data science, or biomedical informatics.
Successful candidates will have a strong
interest in motivating their theoretical
and/or algorithmic research by data and
needs in health, prevention, or healthcare,
including health equity and equity and
diversity more broadly. Example application
areas include machine learning or causal



discovery/inference from electronic health records or other observational clinical data, socioeconomic determinants of health, medical image data, mobile health data, and/or microbiome or -omics data. Particular attractions of this position include the exceptional data and translational opportunities of Duke Health and the School of Medicine and the opportunity for a flexible teaching load in order to optimize research productivity and impact. The Department of Biostatistics and Bioinformatics has Masters and PhD programs, and our algorithmic-oriented faculty also supervise Ph.D. students in other leading programs on campus. Duke has an exceptional history in healthcare innovation, and Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation.

Applicants should hold a Ph.D. in Computer Science, Computer Engineering, Statistics, Biomedical Informatics. Bioinformatics. Biostatistics, or a related field by the date of the start of their appointment. Joint appointments with other departments are possible for appropriate candidates. The application package should include a cover letter accompanied by a one-page diversity statement, a curriculum vitae, and a three-page statement of research (organized as a one-page summary of past research accomplishments and a two-page summary of your future research plans), and 3 letters of recommendation. All applications should be submitted through: https:// academicjobsonline.org/ajo/jobs/19794).

Diversity and Inclusion: Duke University is an Equal Opportunity-Affirmative Action Employer. Candidates with backgrounds underrepresented in science are especially encouraged to apply. The diversity statement should address why the candidate believes diversity and inclusion are important with examples from their experiences and plans for future contributions. More information about the department's diversity, inclusion, and antiracist work can be found at: https://biostat.duke.edu/about/diversity-and-inclusion

Important Dates: Applications should be received by November 15, 2021, for full consideration. Top candidates will be invited to a virtual symposium in mid-December to present their research and future plans.

### **Duke University**

Open Rank Faculty Positions

The Duke University Department of Biostatistics and Bioinformatics invites applications for multiple non-tenure-track faculty positions in clinical informatics and biostatistics.

Potential areas of research emphasis include health equity, data standardization, data harmonization, innovative clinical trials design, and causal inference. The Department of Biostatistics and Bioinformatics has Masters and PhD programs, as well as opportunities to supervise post-docs and Masters and PhD staff. This position also has the unique opportunity to also be part of the prestigious Duke Clinical Research Institute (DCRI). Duke and DCRI have an exceptional history in healthcare innovation,

and Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation.

Applicants should hold a Ph.D. in Computer Science, Computer Engineering, Statistics, Biomedical Informatics. Bioinformatics. Biostatistics, or a related field by the date of the start of their appointment. Joint appointments with other departments are possible for appropriate candidates. The application package should include a cover letter accompanied by a one-page diversity statement, a curriculum vitae, and a three-page statement of research (organized as a one-page summary of past research accomplishments and a two-page summary of your future research plans), and 3 letters of recommendation. All applications should be submitted through: https:// academicjobsonline.org/ajo/jobs/19795).

Diversity and Inclusion: Duke University is an Equal Opportunity-Affirmative Action Employer. Candidates with backgrounds underrepresented in science are especially encouraged to apply. The diversity statement should address why the candidate believes diversity and inclusion are important with examples from their experiences and plans for future contributions. More information about the department's diversity, inclusion, and antiracist work can be found at: https://biostat.duke.edu/about/diversity-and-inclusion

Important Dates: Applications should be received by November 15, 2021, for full consideration. Top candidates will be invited to a virtual symposium in mid-December to present their research and future plans.



### **Emory University**

Assistant Professor, Computer Science, Tenure - Track

#### **Discover Your Career at Emory University**

Emory University is a leading research university that fosters excellence and attracts world-class talent to innovate today and prepare leaders for the future. We welcome candidates who can contribute to the diversity and excellence of our academic community.

#### **Description**

Oxford College of Emory University invites applications for a tenure-track position in Computer Science at the rank of Assistant Professor beginning in August 2022. All areas of specialization will be considered. The successful candidate will play a key role in extending and shaping Oxford College's existing computer science program. This person will teach introductory and sophomore-level computer science courses for majors and non-majors; the teaching load will be three courses per semester. The position offers opportunities for course development, mentoring students in undergraduate research, and crossdisciplinary collaboration, including the potential for investigations of humanistic, social, and/or ethical questions related to technology. We seek candidates with a commitment to excellence in teaching as well as active engagement in scholarship with the potential to involve undergraduates.

#### Qualifications

Required - A PhD in computer science or closely related field completed by time of appointment



### Computer Science Faculty Positions: All Ranks EMORY UNIVERSITY Atlanta, Georgia

The Computer Science Department at Emory University is continuing to advance research and education at the frontiers of computing and data science, and seeks outstanding colleagues.

Emory CS is a vibrant department with high impact research in data-related areas including AI, ML, IR, NLP, HCI, data/graph mining, security, privacy, and high-performance computing. CS scholars collaborate extensively across multiple disciplines including health, social, and natural sciences to explore computational approaches to important challenges. Our faculty is passionate about scholarship, teaching, and social responsibility. The Department is committed to positive societal impact through CS scholarship, prides itself on a family-friendly, supportive, dual-career environment, and engages deeply with industry, alumni, and community. We are committed to broadening participation in computing, and especially encourage applications from women and members of underserved groups. For additional information please see <a href="http://www.cs.emory.edu">http://www.cs.emory.edu</a>

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

Applications for Tenure-Track/Tenured Positions are invited from exceptional candidates with outstanding research and teaching records. Appointments are possible at the beginning- or advanced-tenure-track Assistant Professor level, or at tenured Associate/Full Professor levels.

Applicants must have a PhD in Computer Science or a closely related field. Research areas of particular interest include: (1) Intelligent Systems (artificial intelligence, machine learning, natural language processing, knowledge mining); (2) Data Management (privacy/security, information visualization/human-computer interfaces, data analytics); and (3) Emerging Areas (e.g. social impact computing, human-centered computing, HPC/exascale systems). We especially welcome candidates who connect to current strengths in CS, and to the health, social, and natural sciences.

Applications comprising a cover letter, CV, research and teaching statements, and three letters of recommendation, are invited via <a href="https://apply.interfolio.com/93815">https://apply.interfolio.com/93815</a>/ In a separate statement, please also outline your interests in enhancing diversity, equity, and inclusion. Informal inquiries are welcome via email to the department chair at <a href="https://www.wsw.esu.org/ws

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

Desirable - Candidates with experience teaching introductory computer science

courses and/or involving undergraduates in research are particularly encouraged to apply.



#### **Application Instructions**

Interested candidates should submit a cover letter, CV, teaching statement (including a teaching philosophy and reflection on teaching experience and/or training), scholarship statement, undergraduate and graduate transcripts (unofficial acceptable), and three letters of recommendation (at least one of which addresses the applicant's teaching) ONLY VIA INTERFOLIO http://apply. interfolio.com/93874. The cover letter must address the candidate's qualifications for the position as well as their interest in working at a liberal arts college with first- and second-year students. Evaluation of candidates will begin October 22, 2021, and will continue until the position is filled. Inquiries may be directed to Dr. Jonathan Hulgan, Associate Professor of Mathematics (jonathan.hulgan@emory.edu).

One of Emory University's four schools partnering in undergraduate education and located 36 miles east of Atlanta on the university's original campus in Oxford, Georgia, Oxford College provides approximately 1,000 first- and second-year students of high academic profile an intensive liberal-arts program for the first two years of their Emory bachelor's degree. We are interested in candidates with a commitment to working with a remarkably diverse student body in an inclusive learning community that values excellence in teaching and close studentfaculty interaction. Applications from women and historically underrepresented minorities are particularly welcome.

For more information about Oxford College and for a full listing of open positions, visit <a href="http://oxford.emory.edu/hiring">http://oxford.emory.edu/hiring</a>.

#### Teaching Faculty in Computer Science



Emory University, Atlanta, Georgia

The Computer Science Department at Emory University in Atlanta, Georgia invites applications for lecture track faculty to begin in Spring or Fall 2022. Appointments are for three-year terms as Lecturer or five-year terms as Senior Lecturer

and are renewable within the *Lecture Track*, which carries full benefits, governance rights and responsibilities as described in the Emory College Lecture Track Guidelines: <a href="http://college.emory.edu/faculty/faculty/promotion-lecture-track.html">http://college.emory.edu/faculty/faculty/promotion-lecture-track.html</a>

Emory CS is a dynamic, close-knit department with a stellar faculty, passionate about scholarship, teaching, and societal impact. The Department is committed to positively transforming the world through computing, prides itself on a family-friendly and supportive dual-career environment, engaging with industry, alumni, and community. The CS Department is intensively pursuing efforts to broaden participation in computing, and we especially encourage applications from women and members of underrepresented groups. For additional information about the Department of Computer Science, please see: http://www.cs.emory.edu.

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

Applicants should have a PhD in Computer Science or a related discipline, and outstanding teaching, advising, and service credentials (or potential) related to our undergraduate programs. Responsibilities include 1) teaching five courses per year; 2) student advising and mentoring; 3) curriculum enhancement; and 4) supporting the educational mission of the College through program participation. Research is not a required element in the LTF track, but all forms of intellectual explorations and scholarly activities are strongly encouraged and supported.

Applications consisting of a cover letter, CV, statement of teaching philosophy and career goals, evidence of teaching excellence, and a minimum of three letters of recommendation should be submitted via <a href="https://apply.interfolio.com/93444/">https://apply.interfolio.com/93444/</a> In a separate statement, please also outline your interests in broadening participation and increasing diversity in computing. Informal inquiries are welcome, and invited by email to the department chair at <a href="mailto:vss@emory.edu">vss@emory.edu</a>. Review of applications will begin November 1, 2021. Full consideration will be given to applications received up to at least 30 days after review begins, until the position is filled.

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



### Emory Supports a Diverse and Inclusive Culture

To ensure the safety of our campus community, the COVID-19 vaccine is required. For more information on the University and Hospital policies and potential exemptions, please see our website.

#### **Emory University**

Assistant or Associate Professor -Quantitative Methodologist

The Department of Quantitative Theory and Methods (QTM) at Emory University seeks to hire three faculty members with research in one or more of the following areas: causal inference, data ethics, data science, machine learning, mathematical modeling (including but not limited to formal, computational, and game-theoretic), network analysis, natural language processing, statistics, and applications of these methods to fields such as health, the humanities, the natural sciences, public policy, and the social sciences.

We are open to the academic discipline, which could be computer science, economics, operations research, political science, statistics, or related disciplines. The positions are fully funded 9-month, tenure-track, and open with respect to rank. The teaching load is competitive.

QTM is a new and rapidly growing interdisciplinary department at Emory with faculty from a variety of disciplinary backgrounds including biology, computer science, economics, humanities, public health, operations research, political science, sociology, and statistics. The successful

candidate must demonstrate excellence/
the promise of excellence in both research,
teaching, and mentoring a diverse student
body, as well as an interest in contributing
to and participating in QTM's intellectual
mission. The candidate should have
completed their Ph.D. by August 2022.

A complete application will consist of a cover letter, a research statement, curriculum vitae, graduate transcript, teaching portfolio, writing sample, and three letters of recommendation. Please submit (along with other materials) a brief statement that reflects upon your experience and vision regarding the teaching and mentorship of students from diverse backgrounds. Review begins October 30, 2021. Applications received by November 30, 2021. will receive full consideration.

To apply for this position, please visit *http://apply.interfolio.com/95630* and submit your materials free of charge through Interfolio.

Emory University is an Equal Opportunity/
Affirmative Action/Disability/Veteran
employer. The Department of Quantitative
Theory and Methods, Emory College, and
Emory University are all strongly committed
to recruiting female and minority candidates.
Women, minorities, persons with disabilities
and veterans are encouraged to apply.

### Georgetown University

Associate Professor - Data Science and Analytics Program

The Data Science and Analytics program at Georgetown University invites applications for a tenured faculty position at the rank of Associate Professor.

We seek candidates with skills and demonstrated research expertise in data science areas such as machine learning, text as data large-scale computing and networks.

Candidates must possess a Ph.D. and have a record of research and teaching commensurate with Associate Professor rank at Georgetown. Advanced Assistant Professors will also be considered

The ideal candidate will be a dynamic leader eager to make interdisciplinary connections across the Georgetown data science research community.

We welcome candidates from a variety of academic disciplines, including data science, mathematics, computer science, computational linguistics, computational social science, economics, health informatics, information science and statistics. Applicants may be doing advanced data science work in a specific discipline we have not identified above.

We seek candidates from diverse backgrounds and candidates committed to making Georgetown a more inclusive community. The University attracts and enrolls students who bring a rich array of racial and ethnic backgrounds, genders, disabilities, as well as socioeconomic, international and combinations of those dimensions. For many of our students, representation in the classroom is an important institutional value.

Learn more and apply: http://apply.interfolio.com/96419



### **Georgetown University**

Gracias Family Chair in Security and Emerging Technology

The Edmund A. Walsh School of Foreign Service of Georgetown University invites applications for a non-tenure-track, rank-open position as the Gracias Family Chair in Security and Emerging Technology. This position will have teaching and administrative responsibilities in the interdisciplinary Security Studies Program (SSP), with potential for affiliations with the Science, Technology and International Affairs Program (STIA) and the Center for Security and Emerging Technology (CSET).

The successful candidate will have a record of professional or teaching experience focused on security and emerging technology, with a particular focus on artificial intelligence and its implications for national and international security. Especially competitive candidates will have a PhD in a related field and teaching experience at the graduate level.

Applicants should submit a cover letter outlining professional background and teaching experience, a curriculum vitae, and three letters of recommendation. Applicants should also submit a diversity statement that discusses how they would contribute to inclusive excellence in the areas of teaching, research, and/or service, including any reflections on teaching and mentorship of students from diverse backgrounds. Applications for this position should be submitted online at: http:// apply.interfolio.com/86515. Questions about the online application system should be directed to Carol A. Benedict, SFS Faculty Chair at benedicc@georgetown.edu. Faxed, mailed, or emailed applications will not be accepted.

Review of applications will begin October 30 and will continue until the position is filled. The position is expected to begin on August 1, 2022.

Georgetown University is an Equal
Opportunity, Affirmative Action employer fully
dedicated to achieving a diverse faculty and
staff. All qualified candidates are encouraged
to apply and will receive consideration for
employment without regard to race, sex,
sexual orientation, age, religion, national origin,
marital status, veteran status, disability or
other categories protected by law.

### Georgetown University

Provost's Distinguished Faculty Fellow and Assistant Professor of Computer Science

The Department of Computer Science at Georgetown University is seeking applications for a tenure-track Assistant Professor position in Computer Science. For the first year of this position, the successful candidate will also hold the title of Provost's Distinguished Faculty Fellow, and will have no teaching and service responsibilities to allow a focus on research while receiving mentorship and support from two senior faculty members.

Candidates with a strong record of research in fairness and ethics in computing, computing for social good, machine learning and artificial intelligence, programming languages, computer systems, databases, trustworthy computing, human-computer interaction, or software engineering are encouraged to apply.

We are a rapidly growing department in a top-25 university located in the heart of

Washington, DC. Our faculty research focuses on data-centered computing, security and privacy, and theory. We are committed to building a diverse intellectual community and strongly encourage applications from those from underrepresented backgrounds.

#### **Qualifications**

Ph.D. in Computer Science or a related area awarded by August 1, 2022. A strong research record, and a promise of excellence in research and teaching. Demonstration of a commitment to diversity, equity, and inclusion (DEI). This commitment to DEI can be demonstrated in a number of ways, including through teaching and research on matters related to DEI or through service that has fostered DEI in a university community.

For your application to be fully considered, the following must be completed by December 15, 2021. Submit the required application materials via Interfolio (http://apply.interfolio.com/96143).

- A cover letter explaining your interest in the position
- Curriculum vitae
- Research statement outlining current research and future research interests
- Teaching statement that describes your teaching experience and philosophy
- At least three, and at most five, confidential letters of recommendation submitted on your behalf by the referees on letterhead with signature
- Statement explaining how you have in the past and will in the future at Georgetown enrich a community that seeks a diversity of perspectives and people



#### **Equal Employment Opportunity Statement**

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

If you are a qualified individual with a disability and need a reasonable accommodation for any part of the application and hiring process, please visit https://ideaa.georgetown.edu/ada/applicants/ for more information, or contact the Office of Institutional Diversity, Equity & Affirmative Action (IDEAA) at (202) 687-4798.

## Georgia Institute of Technology

Tenured/Tenure Track Computer Science Faculty

The School of Computer Science at the Georgia Institute of Technology (Georgia Tech) invites applications for several tenure track faculty positions at all ranks. We seek candidates in all areas that complement and enhance our current research strengths, and are especially interested this year in candidates whose research focus is in the broad areas of theoretical computer science, machine learning, computer architecture, and software engineering. Applicants must show evidence of outstanding academic credentials and stellar potential in their field of study, a

sincere commitment to teaching, a proclivity to engage in substantive interdisciplinary and collaborative research locally or globally, and an interest in fostering a diverse, equitable, and inclusive academic community.

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

The School of Computer Science, one of four schools in the top-ten ranked College of Computing, focuses on research that makes computing and communication smart, fast, reliable, and secure, with research groups in computer architecture, databases, machine learning, networking, programming languages compilers, software engineering, systems, and theory. Faculty from our school are leaders in a variety of Georgia Tech initiatives, including the Algorithms and Randomness Center (ARC), the Center for Machine Learning (ML@GT), the Center for Research into Novel Computing Hierarchies (CRNCH), and the Institute for Data Engineering and Science (IDEaS). Successful applicants will also have opportunities, where appropriate, for joint or shared academic appointments with the newly formed School of Cybersecurity and Privacy within the College of Computing and collaborative research that spans disciplinary boundaries at Georgia Tech.

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta,

a diverse and vibrant city with multiple universities. Midtown Atlanta, where Georgia Tech's 370+ acre campus is located, has been recognized as one of the 2016 Great Neighborhoods by the American Planning Association due to its liveliness, walkability, and many great cultural and economic strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. Georgia Tech prides itself on its culture of collaboration, technology resources, high-quality student body, and its commitment to diversity, equity, and inclusion. Applications will be considered until open positions are filled. For full consideration, applicants are encouraged to submit their applications by December 15, 2021, at this link here - https:// academicjobsonline.org/ajo/jobs/19994.

Your full application should include a cover letter, research statement, teaching statement, diversity and inclusivity statement, curriculum vitae, and the contact information of at least three references. We ask that applicants clearly indicate their research area(s) and focus in their cover letters.

Georgia Tech provides equal opportunity to all faculty, staff, students, and all other members of the Georgia Tech community, including applicants for admission and/or employment, contractors, volunteers, and participants in institutional programs, activities, or services. Georgia Tech complies with all applicable laws and regulations governing equal opportunity in the workplace and in educational activities. Georgia Tech prohibits discrimination, including discriminatory harassment, on the basis of



race, ethnicity, ancestry, color, religion, sex (including pregnancy), sexual orientation, gender identity, national origin, age, disability, genetics, or veteran status in its programs, activities, employment, and admissions. This prohibition applies to faculty, staff, students, and all other members of the Georgia Tech community, including affiliates, invitees, and

To submit your application please see the link here: https://academicjobsonline.org/ajo/jobs/19994

## Georgia Institute of Technology

Tenure-Track Faculty

The School of Interactive Computing (IC) at the Georgia Institute of Technology (Georgia Tech) invites applications for several anticipated tenure track faculty positions at all levels of seniority. We seek applications in the broader areas of Human-Computer Interaction (HCI) and Artificial Intelligence (AI), including their intersections, and with an emphasis in Data and Information Visualization, Social Computing, Privacy, and theoretical/applied Machine Learning. These areas are of strategic importance to the School, as we build on our strong hiring in similar areas within the past several years. We will consider truly outstanding candidates in all areas that support the school's mission and expand it in strategic directions. For instance, the College of Computing (CoC) has added a new academic unit, the School of Cybersecurity and Privacy, which is a sister school of IC. A number of IC faculty will also be leading or participating in two Al institutes funded recently by the National Science

Foundation; efforts that underscore the College's and Institute's goal to expand in Al and related areas in the coming years.

Suitable candidates must have an established international reputation and have demonstrated exceptional impact, productivity, and leadership. Candidates are also expected to demonstrate an exceptional commitment to the teaching and mentoring of undergraduate and graduate students, as well as to matters of diversity, equity, and inclusion through their research, teaching, or service activities.

Application materials must include a cover letter, research statement, teaching statement, and curriculum vitae, the contact information of at least three references, and three publications. The submission link for these materials can be accessed through the *Georgia Institute of Technology.* 

Applicants must show evidence of outstanding academic credentials and stellar potential in their field of study, a sincere commitment to teaching, a proclivity to engage in substantive interdisciplinary and collaborative research locally or globally, and an interest in fostering a diverse, equitable, and inclusive academic community. We ask that applicants clearly indicate their research area(s) and focus in their cover letters

The reference letters must be submitted through Academic Jobs Online (AJO) – https://academicjobsonline.org/ajo/jobs/19665

Note: AJO is used only for reference letters all other application materials must be submitted through CAREERS.

Preference will be given to applications submitted by December 1, 2021, but we will

continue accepting applications until the positions are filled. Questions regarding the status of an application may be directed to recruiting-ic@cc.gatech.edu.

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

### **Georgia State University**

Lecturer Positions

The Department of Computer Science at Georgia State University invites applications for multiple full-time lecturer positions.

Each position focuses on providing teaching and service for diverse computer science students. Successful candidates must be able to demonstrate expertise in teaching Computer Science courses at both undergraduate and graduate levels.

Priority will be given to candidates who can teach courses related to Systems, Security, and Software Engineering.

Full details describing the positions and the application process can be found on the department *website*.



### **Georgia State University**

Department of Computer Science
Multiple Tenure Track Faculty Positions

The Department of Computer Science at Georgia State University (GSU) invites applications for five tenure-track positions at the assistant professor level for Fall 2022. The targeted areas are Software Engineering, Systems, Artificial Intelligence, and Data Science.

GSU is an enterprising public R1 university located in downtown Atlanta, one of the largest and most racially/ethnically diverse cities in the Southeastern U.S. The 2022 U.S. News and World Reports rankings placed GSU as the #2 most innovative university in the country. The Computer Science department's Ph.D. program is nationally competitive and ranked among the best in the Southeast, according to National Research Council data. The department's faculty have been attracting substantial funding from many federal agencies, including seven NSF CAREER Awards.

The Department of Computer Science is committed to actively increase diversity and inclusion in the field of computing. Full details describing the positions and the application process can be found on the department *website*.

### **Georgia State University**

Two Tenured/Tenure Track Faculty Positions (Next Generation Faculty Program)

The Department of Computer Science at Georgia State University invites applications

for two tenure track/tenured positions at the assistant and associate professor levels as part of the Next Generation Faculty Program, a special initiative to increase interdisciplinary research in targeted areas. The two targeted areas are: Trustworthy Al and Astroinformatics

Full details describing the positions and the application process can be found on the department website: https://csds.gsu.edu/employment-opportunities/

#### Georgia Tech

Tenure-Track Faculty Hiring 2021-2022

The School of Computational Science and Engineering (CSE) in the College of Computing at the Georgia Institute of Technology invites applications for multiple openings at the Assistant Professor level (tenure-track); exceptional candidates at the Associate Professor and Professor level also will be considered. CSE focuses on foundational research of an interdisciplinary nature that enables advances in science, engineering, medical, and social domains. Applicants are expected to develop and sustain a research program in one or more of our core areas: high-performance computing, scientific and numerical computing, modeling and simulation, discrete algorithms, and largescale data analytics (including machine learning and artificial intelligence)

All areas of research will be considered, especially scientific artificial intelligence (Al methods unique to scientific computing), urban computing (enabling effective design and operation of cities and urban

communities), application-driven post-Moore's law computing, and data science for fighting disease. Applicants must have an outstanding record of research and a commitment to teaching.

Applicants are expected to engage in substantive research with collaborators in other disciplines. For example, current faculty have domain expertise and/or collaborations in computational chemistry; earth sciences; biomedical and health sciences; urban systems and smart cities; social good and sustainable development; materials and manufacturing; and others.

For more information, including how to apply, go to: https://academicjobsonline.org/ajo/jobs/19677

For full consideration, applications are due by December 1, 2021. To be considered for the Edenfield Early Career Professorship, submit by November 1, 2021.

Georgia Tech is organized into six Colleges. The School of Computational Science and Engineering resides in the College of Computing along with the School of Computer Science, the School of Interactive Computing and the School of Cybersecurity and Privacy. Joint appointments with other Schools in the College of Computing as well as Schools in other Colleges will be considered.

Georgia Tech provides equal opportunity to all faculty, staff, students, and all other members of the Georgia Tech community, including applicants for admission and/ or employment, contractors, volunteers, and participants in institutional programs, activities, or services. Georgia Tech



complies with all applicable laws and regulations governing equal opportunity in the workplace and in educational activities. Georgia Tech prohibits discrimination, including discriminatory harassment, on the basis of race, ethnicity, ancestry, color, religion, sex (including pregnancy), sexual orientation, gender identity, national origin, age, disability, genetics, or veteran status in its programs, activities, employment, and admissions. This prohibition applies to faculty, staff, students, and all other members of the Georgia Tech community, including affiliates, invitees, and guests.

#### **Harvard Medical School**

Postdoctoral fellow at Harvard/BWH

We seek post-doctoral candidates to join the Al in Medicine Program at Harvard/Brigham and Women's Hospital to develop natural language processing and other Al methods to improve the diagnosis and treatment of cancer. Mastery of Python and Java, and expertise with at least one deep learning framework (Tensorflow, PyTorch etc...) is required. Interest in medical applications is essential. The fellow will be appointed at Harvard Medical School.

To apply, please send an email with cover letter and CV (including 3 references) to Dr. Danielle Bitterman at danielle\_bitterman@dfci.harvard.edu.

#### **HEC Montreal**

Tenure-track or tenured professor in Machine Learning, Statistics, Operational Research or Financial Engineering

The Department of Decision Sciences at HEC Montréal is seeking highly qualified applicants for a tenure-track or tenured position in machine learning, statistics, optimization, operational research or financial engineering beginning June 1, 2022. Rank will be commensurate with experience and qualifications. Depending on their research area, the chosen candidate may be nominated for a Canada CIFAR AI Chair (https://cifar.ca/ai/canada-cifar-ai-chairs/).

Qualifications - Candidates must:

- Have completed or nearly completed a Ph.D. in Computer Science, Computer or Electrical Engineering, Statistics, Mathematics, or in a related field.
- Have a strong publication record in their field of interest.
- Show excellent potential in research, an aptitude to supervise students at the MSc and Ph.D. levels, and a desire to engage in one of our research groups.
- Show excellent potential in teaching with demonstrated communication skills in either French or in English and a clear interest in becoming competent in both.

The list of required material is available on the application website (https://emplois-corps-professoral.hec.ca/job.php?id=729).

All material should be received by December 1, 2021, but applications will be accepted until the position is filled.

## Hobart and William Smith Colleges

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Hobart and William Smith Colleges invites applications for a tenure-track position in Computer Science to begin July 1, 2022. Candidates in all areas of computer science are encouraged to apply. Applications are encouraged to be completed by October 22 but will be accepted until the position is filled.

To learn more about the position and to submit application materials, please visit <a href="https://apply.interfolio.com/94857">https://apply.interfolio.com/94857</a>.

Email correspondence can be addressed to Professor David Eck at *eck@hws.edu*.

The Colleges are a highly selective, residential liberal arts institution of 1,800 students located in a small, diverse city in the Finger Lakes region of New York. Extensive programs of international study and public service are at the core of the Colleges' mission.

Hobart and William Smith Colleges are committed to attracting and supporting faculty and staff that fully represent the racial, ethnic, and cultural diversity of the nation and actively seek applications from under-represented groups. The Colleges do not discriminate on the basis of race, color, religion, sex, marital status, national origin, age, disability, veteran's status, sexual orientation, gender identity and expression or any other protected status. EOE





#### Founding Tenured/Tenure-Track Faculty in Computer Architecture and System

The Hong Kong University of Science and Technology (HKUST) is a leading international university ranked 1<sup>st</sup> by Times Higher Education Young University Rankings 2020 and 27<sup>th</sup> by QS World University Rankings 2021. HKUST establishes a new campus in Guangzhou, China (hkust-gz.edu.cn). The Guangzhou campus synergizes with and maintains the same academic standard as the Clear Water Ba



synergizes with and maintains the same academic standard as the Clear Water Bay campus. Microelectronics Thrust is an academic department focusing on theories and technologies for novel circuits, architectures, systems, and design automations.

Microelectronics Thrust has multiple tenured/tenure-track positions at the ranks of Assistant Professor, Associate Professor, and Professor. Applicants should have a PhD degree and research in areas such as processor, memory, and storage system architecture; reconfigurable architecture; interconnection network; multiprocessor system; neural computing; approximate computing; quantum computing; hardware-software codesign; compilation techniques; operating system; system software; power management; thermal management; embedded system; system-on-chip; system-in-package; electronic design automation; photonic design automation; integrated photonic circuit; RF/mm-Wave/terahertz technology; modeling and simulation technology; emerging technology. English is the instruction and administration medium at the Guangzhou campus, and a good command of written and spoken English is required.

- Applicants of tenure-track Assistant Professor should demonstrate strong research and teaching potentials.
- Applicants of Associate Professor should have a proven record in research, teaching, student supervision, and funding.
- Applicants of Professor should have world-class academic achievements, international academic leadership, and an established track record in teaching, student supervision and funding.

Salary and Conditions: Salary is of international standard and highly competitive. Generous research funding, ample laboratory space, and excellent research equipment and support will be provided. All the positions are tenured/tenure-track appointments in mainland China and offered by the HKUST mainland entity in accordance with the local employment laws and regulations. The appointments to Full Professor and some Associate Professor will be made on substantive basis. The initial appointments to Assistant Professor will be made on a fixed-term contract of up to three years, and re-appointments thereafter will be subject to performance and mutual agreement.

Application Procedure: Applications should be submitted at <a href="https://facrecruit.hkust.edu.hk">https://facrecruit.hkust.edu.hk</a> which will be open until the positions are filled. If there is any question, please contact the Acting Head, Prof. Jiang Xu, at <a href="jiang.xu@ust.hk">jiang.xu@ust.hk</a>. HKUST is committed to equal opportunity and diversity in recruitment and employment. We strongly encourage candidates of diverse backgrounds to apply.











#### **Hood College**

Assistant Professor of Computer Science and Information Technology (ASSIS01697)

#### **Summary**

Hood College's Department of Computer Science & Information Technology invites applications for a full-time tenure-track Assistant Professor position beginning August 2022.

The primary responsibilities include teaching a seven course load per academic year, advising undergraduate and graduate students, serving on committees within the department and college, reviewing and developing curriculum in computing and information technology, and conducting scholarly research.

Successful candidates should have a background and interests in one or more *cybersecurity-related areas* of computing and information technology such as systems and network security, forensics, secure software development, encryption, and information assurance

We seek a candidate with a strong commitment in a liberal arts setting, who is passionate about high-impact learning experiences, and who values diversity, equity and inclusion in all that they do. Candidates must have strong organizational skills and proven ability to work collaboratively across academic disciplines.

#### **Education and/or Experience**

Earned doctorate in computer science, computer engineering, information technology, information systems, or closely

related field by the time of appointment required. Applications that do not meet this requirement will not be considered. Some college level teaching experience preferred and/or equivalent combination of education and experience. Professional experience in industry or government is desirable.

Please visit **www.hood.edu/jobs** for more details, including a full description of the position.

#### To Apply

We invite qualified candidates to apply on-line via our electronic application which requires a submission of a cover letter, current curriculum vitae, and three (3) letters of recommendation by **November 15**, **2021**. Candidates should arrange to send three letters of recommendation to *job\_cs@hood.edu*. Application review will begin immediately and the position will remain open until filled.

Questions regarding the position requirements may be addressed to "Search Committee Chair-Cybersec Position" at *job\_cs@hood.edu* 

If you need assistance with the online application process, please email humanresources@hood.edu or call (301) 696-3592.

Hood College is committed to diversity in its faculty and staff and subscribes to a policy of hiring only individuals legally eligible to work in the United States. EOE/AAP/M/F/Vet/Disability Employer

Hood College does not discriminate on the basis of sex, race, color, national origin, sexual orientation, gender identity or gender expression, marital status, pregnancy, disability, religion, or age in recruitment, admission and access to, or treatment, or employment in its programs, services, benefits, or activities as required by applicable laws including Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, and complies with the law regarding reasonable accommodation for disabled applicants and students. Inquiries about discrimination or reasonable accommodation should be referred to the Title IX and Section 504 Coordinator at Alumnae Hall. 401 Rosemont Avenue, Frederick, MD, 21701 (AD 312), (301) 696-3592. For complete information on Hood College's nondiscrimination policy, please visit http://www.hood.edu/non-discrimination/.

#### Indiana University, Bloomington

Assistant Professor in Informatics -Artificial Intelligence and Network Science

The Luddy School of Informatics, Computing, and Engineering at Indiana University (IU) Bloomington invites applications for a full-time tenuretrack Assistant Professor position in the Informatics Department to begin on August 1, 2022. We welcome any candidates who study artificial intelligence, complex systems, and network science (all broadly defined). Potential research areas include, but are not limited to, deep learning, graph neural networks, complex systems, complex networks, computational neuroscience, computational social science, social media analytics, agentbased models, and the impacts of Al and



social media on society. We especially welcome applications from members of underrepresented groups in computing.

We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations. Duties will include research, teaching multi-level courses both online and in-person, participating in course design and assessment, and service to the School.

Applicants should have a demonstrable potential for excellence in research and teaching and a Ph.D. in computer science, informatics, computational science, data science, or a related field expected before August 2022.

Applications received before December 1, 2021 will be assured full consideration; however, the search will remain open until a suitable candidate is found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at: https://indiana.peopleadmin.com/postings/11497

### Questions may be sent to *smilojev@ 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, Bloomington

Assistant Professors in Computer Science

The Luddy School of Informatics, Computing, and Engineering at Indiana University
Bloomington (IUB) invites applications for multiple tenure-track assistant professor positions in the Department of Computer Science in the areas of artificial intelligence, databases, computer systems and networks, and quantum computing to begin August 1, 2022. Duties will include research, teaching multi-level courses both online and in-person, and service to the School.

Artificial Intelligence/Databases: We are looking for candidates with research interests in the areas of database theory, database systems, machine learning theory and applications, artificial intelligence, and data mining.

Computer Systems and Networks: We seek candidates who can teach and lead research in the following areas: operating systems, distributed systems, computer networks, embedded systems, and computer architecture. We are particularly interested in candidates working on computer systems that have applications in artificial intelligence or that are applying machine learning techniques to computer systems.

Quantum Information: We are particularly interested in candidates with research interests in formal models of computation, algorithms, information theory, and machine learning with connection to quantum computation, quantum simulation, quantum cryptography, or quantum information science.

The successful candidate will also be a Quantum Computing and Information Science Faculty Fellow supported in part for the first three years by a National Science Foundation-funded program, and a member of the IU Quantum Science and Engineering Center.

We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations.

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in Computer Science or a relevant field expected before August 2022.

Online applications received before December 1, 2021 are assured full consideration; however, the searches will remain open until suitable candidates are found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at appropriate link below:

For AI/Databases apply at https://indiana. peopleadmin.com/postings/11521 (and send questions to qzhangcs@indiana.edu).

For Computer Systems and Networks apply at https://indiana.peopleadmin.com/postings/11522 (and send questions to isiek@indiana.edu).

For Quantum Information apply at https://indiana.peopleadmin.com/postings/11523 (and send questions to hatang@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, Bloomington

Faculty Positions in Human Computer Interaction

The Luddy School of Informatics, Computing, and Engineering (https://luddy.indiana.edu/) at Indiana University Bloomington (IUB) invites applications for one tenure-track or tenured Associate or Full Professor position and two tenure-track Assistant Professor positions in the Department of Informatics to begin on August 1st 2022 in the area of human-computer interaction (HCI).

The Associate or Full Professor appointee will serve as the Director of our HCI/design program (https://hcid.luddy.indiana.edu/)—one of the most preeminent programs of its kind, with an eighteen-year history and an international reputation.

We are particularly interested in candidates who can teach and mentor students in any of the following areas (no order intended): Human-Centered Computing, Human-Computer Interaction (HCI) broadly defined, Ethnographic Methods in HCI, Design-Oriented HCI, Sustainable Interaction Design (SID) or Sustainable HCI (SHCI), AI and HCI, Social Justice and HCI, UI/UX.

We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations. Duties will include teaching, research, service, and mentorship of students at the undergraduate, M.S., and Ph.D. levels. New faculty will be part of the HCI/d faculty and will participate in course design.

Applicants should have an established record of (for senior level) or a demonstrable potential for (for junior level) excellence in research and teaching, and a Ph.D. in, Informatics, Computer Science, HCl, Design, or a related area expected before August 2022.

Online applications received before December 1, 2021 will be assured full consideration; however, the searches will remain open until suitable candidates are found.

Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at appropriate link below based on qualifications and interests in below rank titles:

Tenure-Track Assistant Professors in HCI: https://indiana.peopleadmin.com/postings/11507

Tenure-Track or Tenured Associate or Full Professor and Director of HCI/design program:

https://indiana.peopleadmin.com/ postings/11508

Questions may be sent to Professor and Search Committee Chair Eli Blevis (eblevis@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, Bloomington

Lecturer in Computer Science

The Luddy School of Informatics, Computing, and Engineering at Indiana University
Bloomington (IUB) invites applications for one full-time non-tenure-track lecturer position in the Computer Science Department to begin on August 1, 2022. Teaching experience in one or more of the following areas is preferred: game development, mobile app development, artificial intelligence and machine learning, and computer systems. We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations.

Responsibilities include teaching courses both online and in-person, supervising associate instructors assigned to your classes, development of laboratory material, grading, and other duties as assigned. After successfully completing a probationary period, lecturers are eligible for long-term contracts and promotion to senior lecturer. Salary will be commensurate with qualifications and experience.

A Master's of Science (MS) or higher degree in Computer Science or a related discipline, or equivalent tested experience such as



experience and mastery in industry is required. Candidates should be able to demonstrate a record of teaching excellence and enthusiasm.

As valued members of the faculty, lecturers are expected to support the teaching mission of the Luddy School through excellence in pedagogical practice, service to the school and academic programs, and inquiry into the advancement of pedagogy in computing.

Online applications received before December 1, 2021 are assured full consideration; however, the search will remain open until a suitable candidate is found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at: <a href="https://indiana.peopleadmin.com/postings/11524">https://indiana.peopleadmin.com/postings/11524</a>

Questions may be sent to Charles Pope (cepope@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**

Assistant Professor in Quantum Photonics and Nanoscale Optics Engineering

The Luddy School of Informatics, Computing, and Engineering at Indiana University-Bloomington (IUB) invites applications for a tenure track assistant professor position in experimental Quantum Photonics and Nanoscale Optics Engineering in the Department of Intelligent Systems Engineering (ISE) to begin in August 2022. ISE is a diverse department exploring the applications of modern computing and technology across a broad range of areas, from sensors to robotics to high-performance computing to bioengineering. This position is part of IUB's Emerging Areas of Research initiative that is funding significant growth in these areas through the Quantum Science and Engineering Center (IU-QSEc: https://qsec.sitehost.iu.edu/).

Candidates should show commitment to the collaborative and transdisciplinary development of the IU-QSEc and ISE's activities in quantum information science and engineering, including, but not limited to quantum computation, simulation, sensing, and communication.

ISE faculty are expected to develop an active, externally-funded research program.

The successful candidate will have the opportunity to collaborate with existing efforts in multi-functional structured optical fibers for Quantum Interconnects (QuIC) (https://fames.indiana.edu/), conventional and quantum networks, and quantum simulation with both trapped atoms and ions (https://ultracold.physics.indiana.edu, https://iontrap.physics.indiana.edu/). We seek candidates committed to excellence in teaching courses of interest to a broad range of both undergraduate and graduate engineering students and whose teaching fosters diversity and inclusion.

Duties will include research, teaching

multi-level courses both online and in person, participating in course design and assessment, and service to the School.

Applicants should have a demonstrable potential for excellence in research and teaching and a Ph.D. in engineering, physics, or a related scientific discipline expected before August 2022.

Applications received before December 1, 2021 will be assured full consideration; however, the search will remain open until a suitable candidate is found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at: https://indiana.peopleadmin.com/postings/11465

Questions may be sent to Prof. James A. Glazier (*jaglazier@gmail.com*) or Prof. Alexander Gumennik (*gumennik@iu.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, Bloomington

Assistant Professor in the Social and Ethical Implications of Computing

The Luddy School of Informatics, Computing, and Engineering at Indiana University (IU)

Bloomington invites applications for a full-time



tenure-track Assistant Professor position in the Informatics Department to begin on August 1, 2022. We are particularly interested in candidates whose research explores the social and ethical implications of artificial intelligence and other computing technologies, including but not limited to algorithmic bias, social justice, the future of work, sustainability, and/or health and wellness.

The Department of Informatics is the largest of four academic units within the Luddy School of Informatics, Computing, and Engineering. With almost 1200 undergraduate majors, the Informatics undergraduate program is one of the most popular and successful on the Indiana University Bloomington campus. The faculty consists of 48 members with backgrounds in disciplines as diverse as physics, sociology, linguistics, history, and computer science.

We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations. Duties will include research, teaching multi-level courses both online and in-person, participating in course design and assessment, and service to the School.

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in computer science, informatics, information science, STS, sociology, or a related field expected before August 2022.

Applications received before December 1, 2021 will be assured full consideration; however, the search will remain open until a suitable

candidate is found. Candidates should review application requirements, learn about IU, Luddy School, and benefits, and apply online at: https://indiana.peopleadmin.com/postings/11500

Questions may be sent to ichair@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-Purdue University

The Purdue School of Engineering and Technology

Assistant Professor with focus in Cybersecurity

The Purdue School of Engineering and Technology, Indiana University-Purdue University

Indianapolis (IUPUI) invites applications for one tenure-track position in the Department of Computer Information and Graphics Technology. The start date is anticipated to be either January 1, 2022 or August 1, 2022. Applicants should have a strong record of research, show significant potential for establishing and sustaining an externally funded research program, be committed to teaching both undergraduate and graduate courses, and mentoring M.S.

and Ph.D. students.

We are interested in applicants whose research focuses on Cybersecurity. Applicants whose research applies Cybersecurity to existing School strengths, such as Intelligent Transportation, IoT, Artificial Intelligence, and other areas of intelligent systems are strongly encouraged to apply. A doctorate in Computer Science, Computer Engineering, Electrical Engineering, or a related discipline focusing on Cybersecurity is required by the start date of the position.

The Department of Computer Information and Graphics Technology offers several degrees, including a B.S. in Cybersecurity, an M.S. in Cybersecurity and Trusted Systems, and also participates in the Computer Engineering Ph.D. program offered by the Department of Electrical and Computer Engineering.

We seek candidates whose research, teaching, and community engagement efforts contribute to diverse, equitable, and inclusive learning and working environments for our students, staff, and faculty. IUPUI condemns racism in all its forms and has taken an antiracist stance that moves beyond mere statements to interrogating its policies, procedures, and practices.

Applications must include a letter of interest, curriculum vitae, and a summary of scholarship including research and teaching interests, and contact information for at least three references.

Apply for this position at https://indiana.peopleadmin.com/postings/11332

Applications are welcome until the position



is filled. IUPUI is an Equal Opportunity/
Affirmative Action educator and employer
and affords reasonable accommodations to
persons with disabilities.

#### **Iowa State University**

Assistant, Associate, or Full Professor

The Department of Electrical and Computer Engineering at Iowa State University, Ames, IA, invites applications for tenure-track or tenured faculty positions in electrical and computer engineering. Appointments will be considered at all experience levels. Iowa State University is an Equal Opportunity/ Affirmative Action employer.

Apply online at https://tinyurl.com/ ISUECEJobsR6194.

For full consideration, applications must be received by Nov. 1, 2021.

## IU School of Informatics and Computing at IUPUI

Assistant/Associate Professor of Data Science

The Indiana University School of Informatics and Computing at IUPUI invites applications for a tenure-track assistant/associate professor position in data science. The appointment will begin August 1, 2022 in the Department of Human-Centered Computing at the Indianapolis campus. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding as Principal Investigator (PI).

An exceptional researcher in data science is sought to join our fast-growing department and data science graduate programs. Research expertise in any promising area of data science will be considered including, but not exclusively, data mining, deep learning, statistical machine learning, descriptive, predictive, and prescriptive analytics, cloud computing, distributed databases, data visualization, or other areas involving the collection, organization, management, and extraction of knowledge from massive, complex, heterogeneous datasets. Data may include text, images, video, sensor and instrument data, clickstream data. social media interactions, neuroimaging data, genomics, health data, and so on. Additional Al-ML application areas of interest would be in Al and fairness/bias detection in health, education, and wage disparities; computational foundations of information/data ethics and policy.

#### **Qualifications**

- Ph.D. in Computer Science, Information Science, Statistics, Data Science, or related discipline. Applicants must complete their degree before the starting date of the appointment.
- Demonstrated ability to develop a record of outstanding research productivity and impact in fundamental aspects of data science. The ability to secure external funding is required.
- Demonstrated ability to teach effectively in-person, online, or in blended learning for courses in areas such as statistical machine learning, mathematical foundations of data science, data analytics, deep learning, cloud computing and related areas.

As the state's premier urban research institution, IUPUI is committed to being a welcoming campus community that reflects and enacts the values of diversity, equity and inclusion that inform academic excellence. We seek candidates who will not only enhance our representational diversity but whose research, teaching, and community engagement efforts contribute to diverse, equitable, and inclusive learning and working environments for our students, staff, and faculty. IUPUI condemns racism in all its forms and has taken an anti-racist stance that moves beyond mere statements to interrogating its policies, procedures, and practices. We hope to identify individuals who will assist in our mission to dismantle racism so that everyone has the opportunity to succeed at IUPUL

How to apply: https://soic.iupui.edu/openings/

Questions pertaining to this position can be directed to the Chair of the Department of Human-Centered Computing Dr. Davide Bolchini at *dbolchin@iupui.edu* 

### **Johns Hopkins University**

Lecturer/Sr. Lecturer in Computer Science

The Department of Computer Science at Johns Hopkins University seeks applicants for full-time teaching positions. These are career-oriented, renewable appointments, responsible for the development and delivery of undergraduate and/or graduate courses, depending on the candidate's background. We are searching broadly to meet teaching needs across the discipline, including data science and machine learning.



Each position carries a 3-course load per semester, usually with only 2 different preps. Teaching faculty are encouraged to engage in educational research and departmental and university service and may have advising responsibilities. 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 webpage at <a href="https://cs.jhu.edu">https://cs.jhu.edu</a> for additional information about the department, including undergraduate and graduate programs and current course descriptions.

Applicants for the position should have a Ph.D. in Computer Science or a closely related field. Demonstrated excellence in and commitment to teaching, and excellent communication skills are expected of all applicants. Applications may be submitted online at <a href="http://apply.interfolio.com/94564">http://apply.interfolio.com/94564</a>. Questions may be directed to <a href="http://apply.interfolio.com/94564">lecsearch2021@cs.jhu.edu</a>.

For full consideration, applications should be submitted by December 1, 2021. Applications will be accepted until the position is filled.

The Department is conducting a broad and inclusive search and is committed to identifying candidates who through their teaching and

service will contribute to the diversity and excellence of the academic community.

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.

### **Kean University**

Two Tenure Track Assistant Professor Faculty Positions

The School of Computer Science and Technology at Kean University invites applications for two tenure track faculty positions at the Assistant Professor level, starting in January or September 2022. We are accepting applications in all areas of Computer Science and Information Technology.

Kean University is located in New Jersey, near Newark International Airport and thirty minutes from New York City. The School of Computer Science and Technology particularly welcomes applications from candidates who will contribute to the School's commitment to diversity and inclusion. Kean University is a Hispanic Serving Institution (HSI) and the School of Computer Science and Technology leads the North Region of the Computing Alliance for Hispanic Serving Institutions (CAHSI).

Qualifications: Applicants should have an earned Ph.D. degree in Computer Science or a related field by September 1, 2022. Candidates with industry and teaching experience are encouraged to apply.

Applications should be submitted online: https://kean.wdl.myworkdayjobs.com/ en-US/Kean/job/Union-New-Jersey/ Assistant-Professor--Computer-Science--Fall-2022 R747

#### **Kent State University**

Faculty Tenure Track - 9-mo Computer Science [Job #999347]

Kent State University's Department of Computer Science is seeking applicants to fill a tenure-track position in the area of computer and network security. Exceptional candidates in other fields will also be considered. Review of applications will begin immediately and continue until the position is filled. Exceptional candidates in closely related areas are encouraged to apply.

The successful applicant will be expected to establish a funded research program, engage in collaborative research, direct theses and dissertations, and teach and mentor students. Expected qualifications include a Ph.D. in Computer Science, Computer Engineering, or a related field. We encourage strong applicants with industrial experience, as well as related post-doctoral trainees, to apply. The position is available at the Assistant Professor rank. Candidates at the Associate Professor level will be considered but will be expected to have a history of extramural funding, Salary



and startup funds are competitive and commensurate with academic qualifications and experience.

The department runs one of the oldest and strongest program in Cybersecurity/ Privacy in the State of Ohio and is compliant with NSA and other national curriculum recommendations. Our department offers the B.S., B.A., M.S., M.A., and Ph.D. degrees, along with an M.S. in Data Science and an M.S. in Artificial Intelligence. The department has 17 full-time faculty, and currently enrolls over 500 undergraduates and over 100 graduate students. Kent State University is located in Northeast Ohio and has a student population of approximately 28,000. The beautiful park-like campus is within walking distance from downtown Kent. The city has recently undergone a major rejuvenation and has a vibrant town center with many new restaurants and shops. Kent State in considered one of best institutions to work for in the nation. It also has a strong commitment to diversity participation. More information about the department can be found at http://www.cs.kent.edu/.

Interested applicants should upload cover letters, curriculum vitae, and statements of research and teaching interests to the Kent State University Human Resources website, https://jobs.kent.edu. Applicants should clearly identify their research focus areas in the cover letter.

Three letters of recommendation should also be provided either by email to cssearch@cs.kent.edu or by regular mail to: Chair, Faculty Search Committee
Department of Computer Science
Kent State University
PO Box 5190, Kent. OH 44242-0001.

For a complete description of this position and to apply online, visit our Jobsite at https://jobs.kent.edu

Equal Opportunity / Affirmative Action Employer / Disabled / Veterans

### **Loyola University Chicago**

Two Tenure-Track Assistant Professor Positions in Computer Science

The Department of Computer Science at Loyola University Chicago invites applications for two full-time, tenure-track positions at rank Assistant Professor beginning August 2022. While we seek applicants with expertise in Artificial Intelligence/Machine Learning (AI/ML) or Cybersecurity and Privacy, we also welcome exceptional candidates in other areas to apply. We especially encourage applications from candidates from underrepresented groups, as well as scholars committed to interdisciplinarity.

The department comprises fifteen full-time faculty members and maintains an active research program with recent funding from NSF, NIH, and other sources. For more information about the department, please visit <a href="https://www.luc.edu/cs">https://www.luc.edu/cs</a>.

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

Applications submitted before November 10, 2021, will receive full consideration.

Applicants should follow the specific instructions available at https://www.careers.luc.edu/postings/17276.

### **Miami University**

Computer Science & Software Engineering: Multiple Assistant/Associate Professors to teach undergraduate and graduate students; establish and maintain a strong research program; advise students and supervise graduate research; provide service to the institution. Expected start date is fall 2022.

The Department of Computer Science and Software Engineering offers undergraduate Bachelor of Science degrees in computer science and in software engineering. A BA in computer science curriculum is in the approval process. Being established is a Center for Cybersecurity Research and Education through which the department will offer undergraduate and graduate degrees in cybersecurity and maintain a strong research program. A Master of Science in Computer Science degree is currently the highest degree program offered by the department. The total number of undergraduate majors is approximately 850. About 40 students are enrolled in a growing master's program. Average class size is in the low thirties. The faculty is currently comprised of 30 full-time individuals. CodeSignal recently assessed Miami University graduates as being number two nationally (behind MIT and ahead of CMU) in fundamental computer science and programming ability. Miami's software engineering program is ranked tenth in the nation by the Tech EDVOCATE.



Required: Doctorate in computer science, software engineering, computer engineering, cybersecurity or a closely related field (ABDs may apply but all degree requirements must be completed by date of appointment). Appointment to the rank of Associate Professor requires an established record of high-quality teaching and scholarship/research with a strong prospect for continuation. Ability to teach courses in computer science, software engineering and/or cybersecurity.

Consideration may be given to candidates who have experience in cybersecurity, computer graphics/vision, parallel and distributed computing, computing and network security, software engineering or who have experience teaching computer science or software engineering in higher education. Exceptional candidates in other areas of computer science are also encouraged to apply. Cluster hiring is currently underway in the area of cybersecurity to support the Center for Cybersecurity Research and Education.

Submit cover letter, curriculum vita, statement of research plans, teaching philosophy, evidence of teaching ability (e.g., course evaluations, letter from supervisor, etc.), and a one-page diversity statement addressing past and/or potential contributions to advancing diversity, equity, and inclusion through research, teaching, and/or service to <a href="https://jobs.miamioh.edu/cw/en-us/job/499270/">https://jobs.miamioh.edu/cw/en-us/job/499270/</a> assistantassociate-professor. Department will request letters of recommendation from references listed in application. Inquiries

may be directed to Dr. Michael Zmuda at cse.search@miamioh.edu. Screening of applications will begin October 29, 2021 and continue until the position is filled.

*Miami University* is committed to creating an inclusive and effective teaching, learning, research, and working environment for all.

For more information on Miami University's diversity initiatives, please visit the *Office of Institutional Diversity & Inclusion* webpage. For more information on Miami University's mission and core values, please visit the *Mission and Core Values* webpage.

Miami University, an EO/AA employer, encourages applications from minorities, women, protected veterans and individuals with disabilities. Miami does not permit, and takes action to prevent, harassment, discrimination and retaliation. Requests for reasonable accommodations for disabilities related to employment should be directed to ADAFacultyStaff@MiamiOH.edu or 513-529-3560. Annual Security and Fire Safety Report may be found at: <a href="http://www.MiamiOH.edu/campus-safety/annual-report/index.html">http://www.MiamiOH.edu/campus-safety/annual-report/index.html</a>. Criminal background check required. All campuses are smoke- and tobacco free.

Miami University is committed to providing up-to-date information from the Department of Labor to our applicants for employment. Here, you will find links to the current information regarding the Family and Medical Leave Act (FMLA), Equal Employment Opportunity (EEO), and the Employee Polygraph Protection Act (EPPA).

## Michigan Technological University

Chair of the Department of Computer Science

The Department of Computer Science at Michigan Technological University invites applications for the position of Chair of the Department of Computer Science. We seek an enthusiastic and visionary leader to help us accelerate growth in the areas of: (1) undergraduate and graduate enrollments, (2) externally funded research, and (3) industry engagement. We are building a culturally diverse faculty committed to teaching and scholarship in a multicultural and inclusive environment, and we seek a department chair who shares these values.

The CS Department has 24 regular faculty members, 554 undergraduate students in two BS programs (Computer Science and Software Engineering) and 76 graduate students in four programs (MS in Computer Science, MS in Cybersecurity, MS in Data Science, and PhD in Computer Science.) The department collaborates with the Department of Applied Computing on a BS in Cybersecurity and teaches a substantial portion of the courses required in other programs, particularly the BS in Computer Engineering and the BS in Mathematics and Computer Science. Current areas of growth include artificial intelligence/machine learning, cybersecurity, and software engineering.

Michigan Tech is an internationally renowned doctoral research university with approximately 7000 students and 400 faculty located in Houghton, Michigan, in the scenic



Upper Peninsula on the south shore of Lake Superior. We are nationally ranked among the best universities for job placement, return on investment, and safety.

Michigan Tech strongly encourages applications from all qualified individuals. We are an ADVANCE Institution having received National Science Foundation funds three times in support of efforts to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM. Please see http://mtu.edu/diversity-inclusion to read more about Michigan Tech's commitment to diversity, inclusion, and sense of belonging, and our strategic planning framework. We actively support dual-career partners to retain a quality workforce; we offer career exploration advice and assistance finding positions at the University and in the local community. Please visit https://www.mtu. edu/provost/programs/partner-engagement for more information.

Applications should be submitted online at <a href="http://www.employment.mtu.edu/cw/en-us/job/492692">http://www.employment.mtu.edu/cw/en-us/job/492692</a>. To learn more about this opportunity, please visit <a href="https://www.mtu.edu/computing/about/employment/">https://www.mtu.edu/computing/about/employment/</a> or contact the search committee chair, <a href="Daniel R. Fuhrmann, fuhrmann@mtu.edu">Daniel R. Fuhrmann, fuhrmann@mtu.edu</a>. Applications received by <a href="December 31">December 31</a>, 2021 will receive full consideration.

Michigan Technological University is an Equal Opportunity Educational Institution/ Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities.



## Tenure-Track and 3-Year Faculty Positions in Computer Science at Middlebury College

Middlebury College invites applications for one tenure-track position and one 3-year term position in computer science, beginning in Fall 2022, with open specialization.

To view the complete ad and for more information see https://apptrkr.com/2502585.

Review of applications will begin on November 15, 2021 and will continue until the positions are filled.

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

## Michigan Technological University

College of Computing Faculty

Michigan Technological University, College of Computing invites applications for faculty at the assistant, associate or professor rank. We are open to all research areas in computer science and computing-related disciplines, with a particular interest in cybersecurity, artificial intelligence/machine learning, and software engineering. Successful candidates will demonstrate a passion for their research, an enthusiasm for undergraduate and graduate education, and a strong commitment to cultivating diverse and inclusive learning environments. The anticipated start date is August, 2022.

Michigan Tech attracts world-class faculty who enrich the educational experience of smart, motivated, and adventurous

students. Applicants who are committed to promoting a sense of belonging and contributing to an equitable and inclusive learning environment for all are strongly encouraged to apply (see <a href="https://www.mtu.edu/diversity-inclusion/">https://www.mtu.edu/diversity-inclusion/</a> for more information on Michigan Tech's commitment to diversity and inclusion, and our strategic planning framework).

Michigan Tech is proud to be an ADVANCE Institution that has thrice received National Science Foundation support to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM.

Michigan Tech recognizes the importance of supporting faculty members' partners; candidates selected for on-campus interviews will be invited to bring a guest. Additional details on our Partner



#### Engagement Program can be found at https://www.mtu.edu/provost/programs/ partner-engagement/

An applicant must have earned a PhD degree in Computer Science, Computer Engineering, Informatics, or closely related discipline. Michigan Tech places a strong emphasis on balancing cutting-edge research with effective teaching. Candidates for these positions are expected to demonstrate potential for excellence in independent research, excellence in teaching, the ability to contribute service to their department and profession, and a commitment to teaching and scholarship in a multicultural and inclusive environment. Salary is negotiable depending upon qualifications.

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

Applications should be submitted online at <a href="http://jobs.mtu.edu/postings/492694">http://jobs.mtu.edu/postings/492694</a>. For more information, please visit <a href="https://www.mtu.edu/computing/employment/">https://www.mtu.edu/computing/employment/</a> or contact the search committee chair, Dr. Laura Brown, <a href="mailto:lebrown@mtu.edu">lebrown@mtu.edu</a>.

For full consideration, complete application packages should be received by Dec. 15, 2021.

Application materials include a cover letter summarizing your expertise and preferred rank, curriculum vitae, research statement, 2-page teaching statement, and 1-page diversity and inclusion statement.

Michigan Technological University is an Equal Opportunity Educational Institution/ Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities.

## Massachusetts Institute of Technology

Faculty Positions

The Massachusetts Institute of Technology Department of Electrical Engineering and Computer Science (EECS) seeks candidates for faculty positions starting July 1, 2022, or on a mutually agreed date thereafter. We welcome outstanding applicants with research and teaching interests in any area of electrical engineering, computer science, and artificial intelligence and decision making. EECS believes that the intellectual, cultural and social diversity of our faculty, staff, and students is vitally important to the distinction and excellence of our academic and research programs. The Department seeks candidates who support our institutional commitment to ensuring that MIT is inclusive, equitable, and diverse.

Appointment will be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible, commensurate with experience. Faculty duties include teaching at the undergraduate and graduate levels, research, and supervision of student research. Candidates should hold a Ph.D. in electrical engineering and computer science or a related field by the start of employment.

Candidates must register with the EECS search website at *https://faculty-searches.mit.edu/eecs*, and must submit application materials electronically to this website. Applications must include a cover letter, curriculum vitae, a research statement (2-4 pages) and a teaching statement (1-2 pages). In addition, candidates should provide a statement regarding their

views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas. Each application should include the names and addresses of three or more individuals who will provide letters of recommendation. Letter writers should submit their letters directly to MIT, preferably on the website or by mailing to the address below. Complete applications should be received by December 1, 2021. Applications will be considered complete only when both the applicant materials and at least three letters of recommendation are received.

It is the responsibility of the candidate to arrange reference letters to be uploaded at <a href="https://faculty-searches.mit.edu/eecs">https://faculty-searches.mit.edu/eecs</a> by December 1, 2021.

Send all materials not submitted on the website to:

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

MIT is an equal employment opportunity employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, sex, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, ancestry, or national or ethnic origin. MIT's full policy on Nondiscrimination can be found at the following: https://policies.mit.edu/policies-procedures/90-relations-and- responsibilities-within-mit-community/92-nondiscrimination.



### **New York University**

Assistant Professor, Tenure-Track, Interaction Design, Music and Sound

The NYU Steinhardt School of Culture. Education, and Human Development's Music and Audio Research Laboratory (MARL) and Tandon School of Engineering's Integrated Design & Media (IDM) program invite applications for a tenure-track assistant professor position to begin in September 2022. This is a joint position between the two schools, with the academic home in the NYU Steinhardt Department of Music and Performing Arts Professions and the research home in MARL. We are committed to substantially increasing the proportion of our faculty from historically underrepresented groups as we strive to create the most intellectually diverse, inclusive, and equitable institution that we can, and especially encourage candidates from historically underrepresented groups to apply.

Apply here

### **New York University**

Assistant Professor of Psychology and Data Science (tenure-track)

Apply via Interfolio ONLY: https://apply.interfolio.com/94880

#### **Description**

New York University invites applications for a tenure-track, assistant professor position focused on Mind, Brains, and Machines. The position would be a joint appointment in the NYU Center for Data Science and the Department of Psychology. This position



#### Faculty Positions in Computer Science

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

For Senior Lecturer and Associate Professor on the educator-track, teaching experience or relevant industry experience will be preferred. Besides relevant background and experience, we are also looking for someone with a passion for imparting the latest knowledge in computing to students in our programs

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 <a href="https://www.comp.nus.edu.sg/careers">www.comp.nus.edu.sg/careers</a>

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.sq
  - 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
- To ensure maximal consideration, please submit your application by 17 December 2021.
- If you have further enquiries, please contact the Search Committee Chair, Joxan Jaffar, at csrec@comp.nus.edu.sg

is part of a cluster hire initiative around human and machine intelligence. More information about this cluster, and NYU's broader Faculty Cluster Hiring Initiative, can be found here, and here. The anticipated start date is September 2022, pending budgetary and administrative approval.

We seek applicants who can help advance world-class research in data-intensive and computationally sophisticated psychological science. Successful applicants could contribute to research and teaching in example areas such as: (1) Understanding and engineering intelligence, through studying its computational basis in humans and machines; (2) Utilizing new methods and technologies for studying human behavior, including novel experimental paradigms or naturalistic datasets capturing realworld interactions; (3) Establishing deeper connections between human and machine



approaches to extracting knowledge from data, potentially leading to new technologies for studying the mind and new algorithms for data science informed by psychological research (e.g., artificial intelligence and machine learning). Applications from researchers who bridge between the existing research strengths of the Department of Psychology and the Center for Data Science are encouraged. In addition to advancing a research program capable of attracting outside funding, applicants will be expected to contribute to the teaching missions of both the Psychology department and the Center for Data Science.

#### **Qualifications**

A PhD in Psychology, Data Science, Cognitive Science, Computer Science, Neuroscience or a related quantitative field is required.

#### **Application Instructions**

Applications and supporting documents received by December 1st, 2021 will receive full consideration.

Please include a CV, short statements of your research and teaching interests, three representative papers, and three letters of recommendation on your behalf.

Diversity and inclusion are important parts of the NYU mission. In your research and teaching statements (or in a separate Diversity and inclusion statement), please describe the ways in which your (1) scholarship, (2) teaching and mentoring, and/or (3) service and engagement demonstrate your commitment to diversity, equity, and inclusion. We are particularly interested in hearing about (1) concrete steps you have taken (or are planning to take) to foster

an inclusive intellectual environment in your research lab, in the classroom, in the department and on campus, and/or in your field more generally, and (2) how these steps connect with your broader views on the topics of diversity, equity, and inclusion.

#### **Arts and Sciences at NYU:**

The Faculty of Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber who embody the diversity of the United States as well as the global society in which we live. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender and sexual identity, or any other legally protected basis. NYU affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach. To learn more about the FAS commitment to diversity, equality and inclusion, please read here: http://as.nyu. edu/facultydiversity.html

### North Carolina State University

Department of Computer Science
Assistant/Associate/Full Teaching Professor

The Computer Science Department at North Carolina State University (NC State) invites applications from outstanding educators for multiple Assistant/Associate/Full Teaching Professor positions starting January 2, 2022 (preferred) or August 15, 2022.

Candidates must have a Ph.D. in Computer Science or a related area along with appropriate experience by their start date. 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 artificial intelligence, games, networking, security, systems, software engineering, or theory are especially encouraged to apply. Inclusiveness and diversity are integral to NC State's commitment to excellence in research, engagement, and education. We are particularly interested in candidates who have demonstrated experience engaging with diversity through activities such as fostering an inclusive environment, working with students from diverse backgrounds, or incorporating diverse perspectives in research.

Primary responsibilities will include teaching core Computer Science courses both at the undergraduate and graduate levels, with an 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 service. Participation



in high-quality research activities centered on teaching. learning, diversity, and/or Computer Science related pedagogy is welcome 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 Assistant Teaching Professor to Associate Teaching Professor and Full Teaching 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 other departmental leadership. The Department supports the 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. NC State is located in Raleigh, the capital of North Carolina. Raleigh forms one corner of the world-famous Research Triangle, which includes Research Triangle Park (RTP). RTP is a hub of innovation, both as a metropolitan area with a world-class industrial base, and as a center of excellence in the technology and academic arenas. The University of North Carolina at Chapel Hill and Duke University form the second and third corners of the Triangle. Raleigh and its surrounding areas are routinely recognized as one of the best places to live in the United States. We enjoy outstanding public education, affordable cost of living, and a wide variety of entertainment

opportunities, all within proximity to the mountains and the coast.

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

Applicants are encouraged to apply by October 29, 2021 for consideration for a January 2022 start and by December 3, 2021 for an August 2022 start. Salary will be commensurate with qualifications.

Applicants should submit the following online at <a href="https://jobs.ncsu.edu/">https://jobs.ncsu.edu/</a>
<a href="postings/150053">postings/150053</a>: cover letter; curriculum vitae; statement of teaching philosophy, which could include educational research and diversity statements; and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department, curriculum, and its research programs, as well as more detail about the position advertised here at <a href="http://www.csc.ncsu.edu/">http://www.csc.ncsu.edu/</a>. Inquiries may be sent via email to: <a href="mailto:csc-teaching-fac-search@lists.ncsu.edu">csc-teaching-fac-search@lists.ncsu.edu</a>.

NC State University is an equal opportunity and affirmative action employer. We are widely recognized as a highly diverse department, having the most female tenured and tenure-track faculty of any computer science department in the country. 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. If you have general questions about the application

process, you may contact Human Resources at 919.515.2135 or *workatncstate@ncsu.edu* (email address opens in a new window).

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 the highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified at www.wes.org or equivalent service. Degree(s) must be obtained prior to start date in order to meet qualifications and receive credit.

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 Tenured / Tenure-Track Faculty Positions

The Department of Computer Science at North Carolina State University (NCSU) is expanding. The Department is seeking faculty at all ranks to fill multiple tenured/tenure-track faculty positions with an expected (but flexible) start date of August 16, 2022. The Department welcomes applications in all areas of Computer Science, but we are particularly interested in candidates whose primary research areas include (I) Artificial Intelligence, including Machine Learning and Data Science; (2)



Computer Networks; (3) Computer Systems; (4) Cyber-Physical Systems; (5) Cybersecurity; (6) Software Engineering; and (7) 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.

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 (30 of our current or former faculty have received one). Further, we are widely recognized as a highly diverse department, having one of the highest numbers of female tenure-track faculty in a 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's markets and festivals, and great weather - all in proximity to the mountains and the seashore.

Applications will be reviewed as they are received, with reviews beginning 15 days after this advertisement is posted and continuing as long as the positions are open. The positions will remain open until suitable candidates have been identified.

Applicants should submit the following materials online at *http://jobs.ncsu.edu* (reference position number - 00001081) cover letter; curriculum vitae; research statement; teaching statement; diversity, equity, and inclusion statement; and names, affiliations, and professional email addresses of at least three references.

Candidates can obtain information about the department and its research programs, as well as more detail about the positions advertised here at <a href="https://www.csc.ncsu.edu/employment/">https://www.csc.ncsu.edu/employment/</a>. Inquiries may be sent via email to: <a href="mailto:csc-tt-facsearch@lists.ncsu.edu">csc-tt-facsearch@lists.ncsu.edu</a>.

The Department of Computer Science and NC State have a documented history of success in accommodating the needs of dual-career couples.

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

### **Northeastern University**

Assistant/Associate/Full Professor

The Khoury College of Computer Sciences invites applications for several tenure-track and tenured faculty positions, beginning in Fall 2022. Applications will also be considered for faculty positions beginning Spring/Fall 2023. Applicants at all ranks will be considered. Candidates will be considered from all areas in computer science. The College is especially interested in applicants working at the intersection of multiple scientific fields. Candidates are expected to have or to develop an independently funded research program of international caliber and to participate in undergraduate and graduate teaching.

Responsibilities will include teaching undergraduate and graduate courses, mentoring students and conducting an independent research program.

A PhD in computer science or a related field is required by the appointment start date.

Khoury College has a diverse tenure/ tenure-track faculty of 64, and it offers a broad array of research and educational opportunities to students. Since 2012, the college has hired 51 outstanding faculty members, and plans to continue this



strategic growth in the coming years. Faculty research spans all areas of computing and is interdisciplinary across seven of Northeastern's colleges; 16 of the 64 faculty have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Communication Sciences and Disorders, Physics, Political Science, Psychology, Philosophy and Religion, Business, Mathematics, and Law. Khoury faculty members are integral to Northeastern University's multidisciplinary institutes including the Network Science Institute, the Cybersecurity and Privacy Institute, and the new Institute of Experiential Artificial Intelligence.

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

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

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

Northeastern University is home to 27,000 full- and part-time students and to the nation's premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern's

international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and scholarship is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation's top research universities. Khoury College has been a major participant in this initiative and will continue the efforts this year, with additional interdisciplinary searches ongoing in related areas. Northeastern University has seven campuses located in Boston (the primary home of our tenure/tenure-track faculty), Seattle, San Francisco, San Jose, Charlotte, London, Vancouver and Toronto. Khoury offers the MS in CS and the Align MS in CS at 5 of the 7 campuses. For more information about the College, please visit https://www.khoury.northeastern.edu.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2021. However, applications will be accepted until the search is completed.

Additional information and instructions for submitting application materials may be found at the following website: Careers at Northeastern, https://careersmanager.pageuppeople.com/879/ci/en-us/job/507937/assistantassociatefull-professor

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



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

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

#### **Northwestern University**

Statistics/Data Science/Machine learning Open Rank Tenure-Track or Tenured Faculty Position

Northwestern University, Department of Statistics invites applications for an openrank tenure-track or tenured faculty position with expertise in data science, broadly defined, and with experience/interest in big data analysis. Ph.D. in statistics/biostatistics/computer science or related fields is required. Research experience and expertise in machine learning and/or data science is desirable. Senior applicants will have demonstrated excellence in research in data science, teaching, and service.

Review of applications will begin on Dec 1, 2021 and continue until the position is filled. Appointment begins September 2022.

More information and application link at <a href="https://statistics.northwestern.edu/about/faculty-search-.html">https://statistics.northwestern.edu/about/faculty-search-.html</a>. Questions to Kisa Kowal & k-kowal@northwestern.edu.

Northwestern University is an Equal Opportunity, Affirmative Action Employer



# Assistant OR Associate Professor, School of Computer Science & Information Systems

Tenure-track faculty positions with a broad background in Information Systems, Cybersecurity, Data Analytics, or Computer Science available in January and August 2022.

Requires a doctoral degree in Information Systems, Cybersecurity, Computer Science or related field (ABD candidates are considered), two years of experience teaching in higher education at a regionally accredited institution, and the ability to conduct requisite research and service consistent with University practices.

For more information and to apply, please visit our website at <a href="http://agency.governmentjobs.com/nwmissouri/default.cfm">http://agency.governmentjobs.com/nwmissouri/default.cfm</a>

of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

### Northwestern University, McCormick School of Engineering

Tenure-track Faculty, Faculty of Instruction and Lecturer positions in Computer Science, all levels

Northwestern University continues its ambitious initiative to grow and transform Computer Science (CS) [http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html]. The Computer

Science department is in the midst of adding twenty new tenure-track faculty in core Computer Science and collaboratively with other disciplines (CS + X), as well as a number of non-tenure-track teaching faculty. We seek outstanding candidates who are excited by the opportunity to help build the future of CS at a world-class university. Northwestern is a leading R1 university comprising a number of highly ranking schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located in beautiful Evanston, on the shores of lake Michigan, just outside the diverse and culturally vibrant city of Chicago, Northwestern faculty have ample opportunities to connect with the city's growing technology sector.

We invite candidates to apply for new tenure-track positions as Assistant,
Associate and Full Professor of Computer



Science. We are interested in applications from outstanding candidates in all areas of Computer Science. The department is especially interested in applicants with an exceptional research track record in the following areas: database systems, complexity theory, quantum computing (particularly quantum computer systems and quantum algorithms), parallel systems (particularly as it intersects with architecture, programming languages, compilers, operating systems, and high performance computing), global-scale networked systems as critical infrastructure, artificial intelligence (all areas, but especially cognitive systems, multimodal dialogue, automatic knowledge base construction, and cognitive vision/audio), high-level computer vision and image understanding (particularly as it applies to image segmentation, object detection/classification, autonomous navigation, and motion tracking), robotics (all areas, but especially bio-integrated and bio-inspired robotics, including with humans), and machine learning. Machine learning (ML) is a cross-cutting area of interest. Researchers that advance ML by grounding their work in problems that relate to any of the domains mentioned in this call are particularly encouraged to apply.

We also encourage applicants to *CS + X* tenuretrack faculty positions jointly with other schools or departments at Northwestern, for individuals and teams exploring new research boundaries in computation. In the last few years, we have hired jointly with Preventive Medicine, Statistics, Learning Sciences, Physical Medicine and Rehabilitation, Mechanical Engineering, Economics, Communication Studies, Journalism, and the Segal Design Institute, and we remain committed to interdisciplinary research leveraging Northwestern's unique strengths and world-class schools in many areas. Priority in all areas will be given to applicants with path-breaking research interests that have the potential to transform both Computer Science and other disciplines.

As part of transforming and scaling Computer Science education, we seek outstanding candidates for non-tenure-track teaching faculty in all areas of Computer Science. As the demand for CS education has grown well beyond the boundaries of traditional CS majors, Northwestern CS has continued to invest in new courses, non-major pathways, and new joint degrees to broaden the reach and quality of computing education. The growth of the entire Computer Science education portfolio has been remarkable and we seek motivated, highly-qualified teaching-track faculty to help us continue our successful expansion.

The successful applicant will be an extraordinary teacher and mentor, combining strong and deep knowledge of Computer Science with a passion to convey that knowledge to a broad variety of Northwestern students. They will go well beyond delivering entry-level service courses to create a learning environment that motivates students to enroll, to work, to learn, and to find new applications of Computer Science that shape their careers and the world beyond. This is a multi-year, renewable position.

To be eligible for the Faculty of Instruction positions, applicants should have earned a Ph.D. in Computer Science or a closely related

field. Candidates will be considered at the Assistant, Associate, or Full level depending on experience. For the Lecturer position, a Masters in Computer Science and a strong, demonstrable track record of Computer Science teaching is required. Faculty of Instruction typically teach two courses per term and are involved in advising students and in departmental curriculum development.

Applicants to tenure-track faculty positions should submit (1) a cover letter indicating the rank applied for, (2) a curriculum vitae, (3) three to five letters of reference, (4) statements of research and teaching interests, (5) an optional diversity statement that addresses how the candidate contributes to diverse excellence, and (6) two representative publications.

Applicants to teaching faculty positions should submit (1) a cover letter indicating the rank applied for, (2) a curriculum vitae, (3) three to five letters of reference which can speak to the applicant's teaching abilities, (4) statement of teaching philosophy, (5) an optional diversity statement that addresses how the candidate contributes to diverse excellence, (6) recent teaching evaluations (if available), and (7) a teaching demonstration video (if available).

Application instructions can be found at https://www.mccormick.northwestern.
edu/computer-science/resources/careerscomputer-science.html. We encourage candidates to send applications as soon as possible. Applications received by December 10, 2021 will be given full consideration.
However, the positions will remain open until filled. Applications received after that date will



be considered on a rolling basis. For general questions about the search or application assistance post submission, contact *faculty-search@cs.northwestern.edu*.

Northwestern University is an equal opportunity, affirmative action employer and does not discriminate against qualified individuals on the basis of race, color, religion, national origin, sex, pregnancy, sexual orientation, gender identity, gender expression, parental status, marital status, age, disability, citizenship status, veteran status, genetic information, or any other protected class. Individuals from all diverse backgrounds are encouraged to apply. Hiring is contingent upon eligibility to work in the United States. For more information, please see the *University's* Policy on Discrimination and Harassment. Job applicants who wish to request an accommodation in the application or hiring process should contact the Office of Equity. Additional information on the accommodations process is available at *northwestern.edu/* equal-opportunity-access/accommodation/ disability.html.

### **Oakland University**

Computer Science - Al Open Rank

#### **Job Description Summary:**

The School of Engineering and Computer Science (SECS) invites applications for a faculty position at any rank to begin as early as January 01, 2022. We are primarily seeking a visionary and exceptionally collaborative leader to serve as the inaugural director of the SECS Interdisciplinary Artificial Intelligence Initiative. The candidate should have strong scholarly credentials, leadership skills, and

experience to connect investigators from diverse backgrounds (e.g., engineering, healthcare, education) in pursuing novel research directions. The successful candidate will have a Ph.D. in Computer Science, Computer Engineering, or closely related fields. Candidates should have an appreciation of and commitment to the value of diversity and working with a diverse faculty and student body. Preferred qualifications include:

- A proven track record of developing a vibrant and high impact externally funded research program.
- Developed a national and international reputation for technical leadership in the broad area of Al, including, but not limited to Artificial Intelligence, General Machine Learning, Data Science, Augmented Perception, Autonomous Systems, Human-Computer Interaction, Natural Language Processing, Deep Learning, Trustworthy Machine Learning, or related applied areas such as Al in Biomedical Engineering, Al in Cybersecurity, Computer Vision, Al in Software Engineering, Al in Robotics or Mechatronics, or Al in Next Generation Computing and Communication.
- Evidence of an ability to work effectively with a diverse student and faculty population.
- A strong track record in establishing educational programs related to Al and strong experience in building partnerships with industry and beyond.
- Experience in mentoring junior faculty.
- A track record of excelling in classroom teaching at the undergraduate and graduate levels.

 Experience supervising undergraduate and graduate students in research endeavors.

#### **Minimum Qualifications:**

- A Ph.D. or equivalent degree in Computer science, Electrical Engineering, Computer Engineering, or related disciplines. Of special interest are applicants who specialize in interdisciplinary Al research, particularly those with demonstrated evidence of collaborations with noncomputer science disciplines.
- Associate Professor candidates must also meet the university standards for appointment to the rank including significant experience/accomplishments in the candidate's area of expertise.
- Professor candidates are required to have national distinction, international recognition, and a substantial scholarly record in their area of expertise in addition to the aforementioned requirements.

#### **Special Instructions to Applicants:**

The SECS values candidates engaged in interdisciplinary research with a focus on Al. Candidates are encouraged to apply early, as applications will be evaluated starting October 21, 2021, and new applications will be considered, until this position is filled. The position start date will be as early as January 01, 2022. However, the search will continue if a suitable candidate is not selected by the end of 2021. The candidate should upload their application at following link: https://jobs.oakland.edu/postings/22607



## Oberlin College and Conservatory

Assistant Professor of Computer Science

The Computer Science Department at Oberlin College invites applications for a full-time, tenure track faculty position in the College of Arts and Sciences to begin Fall 2022.

To be assured of consideration, submit a letter of application, a curriculum vitae, teaching, and research statements graduate academic transcripts, and at least three recent letters of reference, with one of those letters addressing teaching, to <a href="https://jobs.oberlin.edu/postings/10916">https://jobs.oberlin.edu/postings/10916</a> by October 31, 2021.

### The Ohio State University

Tenure Track Faculty

The Department of Computer Science and Engineering at The Ohio State University invites applications for 20 tenure-track faculty appointments at all seniority levels and in all CSE research areas, with emphasis on theory and algorithms, artificial intelligence and machine learning, human-centric computing, robotics, high-performance computing and systems, networking and next generation communications, graphics and visualization, cybersecurity and privacy, the intersection of CSE and health/life sciences, computing for social good (including race, inclusion, and social equity), data science and analytics, computational science, quantum computing, and computing education in the 21st century.

Additional details and application instructions are available at https://cse.osu.edu/faculty-recruiting

#### **Oklahoma State University**

Tenure-Track Assistant Professor Positions

The Oklahoma State University (OSU)

Department of Computer Science is seeking applications for two tenure-track Assistant Professor positions from candidates with research experience in the areas of Cyber Security, Programming Languages, and Algorithms. An earned Ph.D. in Computer Science or a closely-related field from an accredited institution is required at the time of appointment. The position is for the main OSU campus in Stillwater; however, duties may be assigned in either the OSU-Stillwater campus, the OSU satellite campus in Tulsa, or both.

The OSU Department of Computer Science (https://computerscience.okstate.edu) is strongly committed to excellence in research, teaching, and outreach. The Department offers the B.S., M.S., and Ph.D. degrees in Computer Science and has a Graduate Certificate Program in Big Data Analytics. The Department also offers courses to students at remote sites using interactive video and the Internet. There are currently about 336 undergraduate students and about 117 graduate students enrolled in the Department.

Candidates will be evaluated on their demonstrated research record, potential to secure external funding, and continued

excellence in research publications.

Faculty are expected to pursue research collaborations with other faculty, industry, and research institutions.

All faculty members are also expected to support the department's efforts in developing and teaching courses for the online Computer Science BS degree program.

To apply, visit http://apply.interfolio.com/94535

For full consideration, applications should be received by February 04, 2022; however, applications will be considered until the position has been filled. The filling of these position is contingent upon the availability of funding.

A successful faculty candidate should be willing to teach from a multicultural perspective and should demonstrate a commitment to mentoring underrepresented students.

Recent departmental diversity statistics for underrepresented undergraduate students are 15% female, 6% African American, 4% Native American, and 4% Hispanic.

Oklahoma State University, as an equal opportunity employer, complies with all applicable federal and state laws regarding non-discrimination and affirmative action.

Oklahoma State University is committed to a policy of equal opportunity for all individuals and does not discriminate based on race, religion, age, sex, color, national origin, marital status, sexual orientation, gender identity/expression, disability, or veteran status with regard to employment, educational programs and activities, and/or admissions. For more information, visit https://eeo.okstate.edu.

OSU-Stillwater is a tobacco-free campus.



### **Old Dominion University**

Tenure Track Faculty in Computer Science for Cybersecurity (F0852A1)

The Department of Computer Science at Old Dominion University is seeking applications for a tenure-track Assistant Professor position with expertise in cybersecurity to begin July 2022. We are especially interested in those who are interdisciplinary, applying cybersecurity to other application domains, and those who apply AI, machine learning, and deep learning techniques in cybersecurity. Outstanding candidates in other areas of computer science will also be considered. At the time of appointment, the candidate must have a Ph.D. or equivalent in computer science or related discipline.

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

For detailed information about the position and application process, visit <a href="https://odu.edu/compsci/news/2021/10/tenure\_track\_cs\_facu">https://odu.edu/compsci/news/2021/10/tenure\_track\_cs\_facu</a>

### **Old Dominion University**

Lecturers in Computer Science (2 Positions, Non-Tenure Track)

The Department of Computer Science at Old Dominion University invites applications for two full-time lecturer positions. Each position focuses on primarily undergraduate teaching.

Successful candidates must be prepared to teach a broad range of undergraduate courses, including beginning programming courses in C++ and other programming languages, and more advanced courses in objectoriented techniques, software engineering, data-science, cybersecurity and web applications. Consideration will be given to an applicant's history of course development for live classrooms and synchronous and asynchronous distance learning environments, experience with teaching and managing large course sections and courses with formal laboratory components, or possession of a PhD in Computer Science with the accompanying ability or experience to teach graduate courses in Computer Science.

Full details describing the application process can be found on the departmental website: https://odu.edu/compsci/news/2021/10/lecturer\_positions\_i.

## Oregon State University, College of Engineering

Multiple Faculty Positions in Computer Science

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for several full-time, ninemonth, tenure-track faculty positions. As a land grant institution committed to teaching, research, and outreach and engagement, Oregon State University promotes economic, social, cultural, and environmental progress for the people of Oregon, the nation, and the world. In support of this mission, the College of Engineering recently updated its strategic plan to advance its achievement in high

impact research, excellent preparation of all our students, and developing a community of faculty, students, and staff that is increasingly more inclusive, collaborative, diverse, and centered on student success.

We are seeking faculty candidates in software engineering and programming languages. Exceptional candidates in other areas of computer science are also welcome to apply. Applicants should demonstrate a strong commitment and capacity to initiate new funded research as well as to expand and complement existing research programs in the OSU College of Engineering and beyond. Furthermore, applicants should demonstrate a strong commitment to undergraduate and graduate teaching; some successful candidates may also have opportunity to teach in the school's highly ranked online computer science program. Applicants are expected to mentor students and promote equitable outcomes among learners of diverse and underrepresented identity groups. Appointment is anticipated at the Assistant Professor rank, but candidates with exceptional qualifications may be considered for appointment at the rank of Associate or Full Professor. Applicants must hold a Ph.D. degree in Computer Science, Electrical and Computer Engineering, or a closely related discipline.

Oregon State University is located at the heart of Oregon's Willamette Valley and close to Portland's Silicon Forest with numerous collaboration opportunities. The School of EECS has 64 tenured/tenure-track faculty members and 485 graduate students (243 Ph.D. students). Among the faculty, we have two members of the National Academy of



Engineering, 23 professional society (IEEE and ACM) Fellows, and 27 Young Investigator/ CAREER Award recipients. Among our several areas of distinction is a widely-recognized program in usability engineering aimed at eliminating gender-bias in software and promoting inclusive technology. We have recently launched Masters and PhD degrees in Artificial Intelligence with the first cohort of students to start in the Fall of 2021. Many faculty members of the School of EECS are also active participants in the recently established Collaborative Robotics and Intelligent Systems (CoRIS) Institute and the Pervasive Personalized Intelligence Center.

Corvallis has been ranked #1 on a list of "Best Places for Work-Life Balance", and is within easy reach of Portland, Eugene, the Cascade mountain range, and the Oregon Coast. Oregon State University has a strong institutional commitment to diversity and multiculturalism, and provides a welcoming atmosphere with unique professional opportunities for leaders from underrepresented groups. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans. LGBTQ community members, and others who share our vision of an inclusive community. The College of Engineering ranks high nationally in terms of the percentage of women faculty, and the university actively supports dual-career opportunities.

Apply online at https://jobs.oregonstate. edu/postings/96527 (posting #P04080UF) with the following documents: A letter of

interest; vita; a two-page statement of research interests; a one-page statement of teaching interests; a one-page statement on the candidate's experiences with and future plans towards equity and inclusion; and names and contact information for at least three references

Screening of applications will begin on November 1, 2021 and will continue until the positions are filled or until the posting closing date of June 30, 2022, whichever comes first.

### Oregon State University, College of Engineering

Associate Head for Online Programs

The College of Engineering at Oregon State University (OSU) invites applications for an Associate Head for Online Programs in the School of Electrical Engineering and Computer Science (EECS). The successful candidate will also hold a tenured appointment within EECS at the rank of Associate or full Professor. Candidates with expertise in any area of computer science are welcome to apply.

#### **Leadership in Online CS Education**

The Associate Head for Online Programs will have an exciting opportunity to shape the future of one of the nation's leading online computer science programs. Our online degree programs offer world-class CS education to a broader range of students, with fewer barriers than traditional classrooms:

 OSU grants more BS degrees in computer science than any other university in the country, including over 500 every year to online students.

- 27% of our online post-bac students are women – almost double the national average for CS programs (14%).
- OSU's eCampus is ranked #4 in the nation for online B.S. programs and #3 in the nation for Veterans

#### Join a Team Committed to Excellence

The School of EECS produces world-changing research in areas that include artificial intelligence, human-computer interaction, security and privacy, transparent electronics, and mixed-signal integrated circuits. We offer strong interdisciplinary graduate programs in Artificial Intelligence – the first in the nation – and in Robotics. Successful candidates will also have an opportunity to be involved in the College of Engineering's newly formed Center for Research in Engineering Education Online (CREEdO).

- The number of faculty increased by more than 25% over the past two years.
- EECS faculty published more than 350 journal articles and conference papers last year.
- Research expenditures grew 35% over the previous year.
- The GenderMag program in usability engineering was pioneered to eliminate gender-bias in software and to promote inclusive technology.

We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who share our vision of an inclusive community. The



College of Engineering ranks high nationally in terms of the percentage of women faculty, and the university actively supports dual-career opportunities.

#### A Place to Call Home

OSU is located in Corvallis, Oregon, a thriving college town tucked between the Coast Range and the lush farmland of the Willamette Valley with easy access to Portland, the beautiful Oregon Coast, and the majestic Cascade Mountains.

- Gold Rating for Bike Friendliness (The League of American Bicyclists)
- No. 2 Friendliest College Town in America (Great College Deals)
- No. 2 Most Innovative U.S. City (Verizon)

#### **How to Apply**

Apply online at https://jobs.oregonstate. edu/postings/106536. Posting Number: (P04760UF) with the following materials: a letter of interest; CV; a two-page statement of research interests; a one-page statement of teaching interests; a one-page statement on efforts towards equity and inclusion; and names and contact information for at least three references.

To be assured full consideration, submit your application on or before November 1, 2021.

### **Oxford University**

Computer Science Faculty Hiring

As part of the *University of Oxford's* expansion for the Department of *Computer Science*, we are delighted to announce 6 faculty positions for recruitment in the 2021-2022 academic year (to start in autumn of 2022).



### **Assistant Professor of Computer Science**

Penn State Beaver invites applications for Assistant Professor of Computer Science, tenure track, 36 weeks, to begin August 2022, or as negotiated.

Responsibilities includes teaching each semester. The successful candidate will be able to instruct courses in object-oriented programming, systems programming, computer organization and design, theory of computation, operating systems design, programming languages, web technologies and server-side programming, and have additional expertise in artificial intelligence, data science or closely related areas.

This position is part of a three campus Penn State consortium (Beaver, Brandywine, and Hazleton) that delivers the baccalaureate program in Computer Science. The successful candidate will work collaboratively with faculty at other campuses delivering a portion of the curriculum to multiple campuses using distance delivery methods.

Qualifications: Ph.D. (ABD considered) in computer science or related field.

More information about Penn State Beaver visit https://beaver.psu.edu/.

Inquiries about the position should be addressed to Professor Carey McDougall, Director of Academic Affairs, cem33@psu.edu.

For consideration, applicants must submit as one PDF document a cover letter, curriculum vitae, teaching philosophy, research statement, recent student teaching evaluations, the contact information for 3 or more references; and a diversity statement that details how your teaching, service and/or professional development has supported success of students from diverse and/or underrepresented backgrounds. Application review begins October 1 and continues until a suitable candidate is found.

#### To Apply, visit: https://apptrkr.com/2518088

**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.

For details see <a href="http://www.cs.ox.ac.uk/">http://www.cs.ox.ac.uk/</a> aboutus/vacancies/vacancy-facultyhiring.html Each of the following 5 positions is offered as an Associate Professorship or as a Professorship, and is a joint appointment



between the Department of Computer Science and an Oxford College.

We are advertising across a wide area of area in computer science (with slightly different closing dates for the different positions, all at 12 noon, GMT). Details for each position will be available at the above URL as they are advertised.

- Algorithms and Complexity Theory Closing date: 28 Jan 2022.
- Automated Verification Closing date: 21 Jan 2022.
- Cyber Physical Systems Closing date:
   4 Feb 2022
- Database Systems Closing date: 10 Jan 2022
- Systems Closing date: 4 Feb 2022.

In addition, we will be appointing to the Strachey chair in Computer Science.

This is the oldest chair in the Department of Computer Science, and is a statutory professorship (the most senior academic grade at the University of Oxford). This will be advertised separately, in due course.

### **Pomona College**

Tenure-track Position in Computer Science

Pomona College seeks applications for an open-rank (assistant, associate, or full)
Professor of Computer Science, to begin on July 1, 2022. All subfields of computer science will be considered. Candidates should have a broad background in computer science, be excellent teachers, have an active research program, and be excited about directing undergraduate



### **Artificial Intelligence Assistant Teaching Professor**

The Engineering Division at Penn State Great Valley is seeking qualified applicants for a full time, 36-weeks, non-tenure-line, limited-term (multi-year), faculty appointment at the Assistant Teaching Professor level in one or more of the following the areas: Artificial Intelligence/Machine Learning, Analytics, Natural Language Processing or Computer Vision.

The successful candidate will be responsible for teaching six courses per academic year to graduate students, advising students, conducting academic research, and performing program, campus, and University service assignments commensurate with experience and rank.

Qualifications include a Ph.D. in Computer Science, or a closely related field. Prior teaching experience and a demonstrated record of research accomplishments are required. A minimum of 12 months teaching or teaching assistant experience and a demonstrated record of research accomplishments are required. Position is available Fall 2022. Must have Ph.D. by start date.

Located 20 miles northwest of Philadelphia, the Penn State Great Valley School of Graduate Professional Studies is a special mission campus of The Pennsylvania State University. The School enjoys a central location in a corporate center among world-class corporate neighbors in a rapidly growing technological corridor. Graduate students are working professionals.

Penn State offers a competitive salary commensurate with experience, in addition to a comprehensive benefit package. Applications will be accepted until December 15, 2021. Interested and qualified candidates should apply and submit a resume or CV at https://hr.psu.edu/careers.

Employment with the University will require the successful completion of background check(s) in accordance with University policies.

The Pennsylvania State University is committed to and accountable for advancing diversity, equity, and inclusion in all its forms. We embrace individual uniqueness, foster a culture of inclusive excellence that supports both broad and specific diversity initiatives, leverage the educational and institutional benefits of diversity, and engage all individuals to help them thrive. We value inclusive excellence as a core strength and an essential element of our public service mission.

#### Apply online at https://apptrkr.com/2539947

**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.

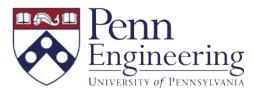
Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

research. The teaching load is two courses a semester for the two semesters a year. Faculty are expected to teach across all levels of the curriculum. Candidates should have a Ph.D. in hand by the start date.



Pomona College is a highly selective liberal arts college with an enrollment of approximately 1600 students, all undergraduates. We seek to attract, develop, and retain the highest quality faculty and are committed to building a culturally diverse workplace. We value candidates who have experience working with students from diverse backgrounds and who are able to demonstrate a commitment to improving higher education for underrepresented students through their teaching, scholarship, or service.

Pomona College, located 35 miles east of downtown Los Angeles, is the founding member of the Claremont Colleges, which also include Claremont McKenna, Scripps, Pitzer, Harvey Mudd, and Claremont Graduate University. Collectively, the Claremont Colleges constitute an academic community of 6,000 students. As a result, Pomona students enjoy both the personalized instruction and close facultystudent interactions afforded by a small liberal arts college as well as the intellectual and extracurricular resources typically found at much larger universities. Pomona's Computer Science department has 8 fulltime tenured or tenure-track faculty and there are over 25 CS faculty across the Claremont colleges. In collaboration with the Claremont College Consortium, Pomona College offers a variety of professional development, mentorship, and networking opportunities for junior faculty including the opportunity for entering faculty members to apply for a fully-funded leave in their fourth year at the College.



# Open Faculty Positions in ESE Multiple Faculty Positions

The School of Engineering and Applied Science at the University of Pennsylvania is growing its faculty by 33% over a five-year period. As part of this initiative, the Department of Electrical and Systems Engineering is engaged in an aggressive, multi-year hiring effort for multiple tenure-track positions at all levels. Candidates must hold a Ph.D. in Electrical Engineering, Computer Engineering, Systems Engineering, or related area. The department seeks individuals with exceptional promise for, or proven record of, research achievement, who will take a position of international leadership in defining their field of study and who will excel in undergraduate and graduate education. Leadership in cross-disciplinary and multi-disciplinary collaborations is of particular interest. We are interested in candidates in all areas that enhance our research strengths in:

- 1. Nanodevices and nanosystems (nanoelectronics, MEMS/NEMS, power electronics, nanophotonics, nanomagnetics, quantum devices, integrated devices and systems at nanoscale);
- 2. Circuits and computer engineering (analog, RF, mm-wave, digital circuits, emerging circuit design, computer engineering, IoT, beyond 5G, and cyber-physical systems);
- 3. Information and decision systems (control, optimization, robotics, data science, machine learning, communications, networking, information theory, signal processing).

Prospective candidates in all areas are strongly encouraged to address large-scale societal problems in energy, transportation, health, agriculture, food and water, economic and financial networks, social networks, critical infrastructure, and national security. We are especially interested in candidates whose interests are aligned with the school's strategic plan, https://www.seas.upenn.edu/about/strategic-plan/

Diversity candidates are strongly encouraged to apply. Interested persons should submit an online application and include curriculum vitae, research, teaching, and diversity statements, and at least three references.

Prospective candidates are encouraged to learn more about our faculty hiring initiative here.

### **Application Links**

ESE Tenured or Tenure-track Faculty Positions, 2021 – 2022: https://apptrkr.com/2522486

For technical assistance with your application, contact Interfolio Scholar Services by email at help@interfolio.com or by phone at (877) 997-8807 from 9:00 – 6:00 EST on Monday – Friday.

Review of candidates will commence after December 15, 2021.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6993 (Voice) or (215) 898-7803 (TDD).

A complete application includes a cover letter; a detailed curriculum vitae; graduate transcripts; three brief statements –

one addressing teaching philosophy, one addressing scholarship and one addressing ability to mentor a diverse



student body: and three or more letters of reference, at least one of which evaluates the candidate's teaching. Please upload electronic copies of all materials to: https://academicjobsonline.org/ajo/jobs/19340

Review of applications will begin on November 15, 2021. For further information, we can be reached via email at *cssearch@pomona.edu* 

### **Portland State University**

Assistant Professor

The Department of Computer Science at Portland State University invites applications for multiple positions for Assistant Professor in Computer Science. The expected start date for these positions is September 2022, but earlier or later dates can be negotiated. One position will be part of a cluster hire, jointly with the Fariborz Maseeh Department of Mathematics & Statistics, on Computational Science for a Sustainable Future.

We are particularly interested in candidates with backgrounds in one or more of the following: in (a) theoretical computer science, including algorithms, quantum computing, or related areas; (b) database systems, data science, or data visualization; and/or (c) computational science, including high performance computing, parallel numerical and discrete algorithms and the applications thereof, and/or machine learning. However, exceptional candidates in other areas will also be considered. The computational science position is part of a four-person cluster hire in *Computational Science for a Sustainable Future*. Three of these positions

will be housed in the Fariborz Maseeh
Department of Mathematics & Statistics, and
one in the Department of Computer Science.

The Department of Computer Science (https://www.pdx.edu/computer-science/) currently has 22 tenure-track faculty members, including 5 NSF CAREER Award winners and an ACM Fellow. The department offers an ABET-accredited B.S. degree, both a thesis and a non-thesis M.S., and a Ph.D. in Computer Science. Current areas of faculty research include: theory, quantum computing, data science, machine learning and artificial intelligence, networking and systems, privacy and security, programming languages and formal methods, software engineering, visualization, and computer science education.

Portland State University is a public university located in the heart of one of the most progressive and vibrant cities in the U.S. The University is known nationally for its innovation, community engagement and sustainability initiatives. Its urban setting and its unique relationship to city and regional agencies provides a living laboratory for urban research and industry and government collaboration. The Portland area is home to numerous software and hardware companies that collectively employ more than 40,000 people in high-tech. Industry leaders such as Intel, Google, Amazon, Synopsis, Oracle, Apple, Nvidia, and eBay have significant presence in Portland.

#### QUALIFICATIONS

Applicants are expected to hold or be near completion of a Ph.D. degree in Computer Science or another relevant field. Non-

Ph.D. applicants will be required to have completed the Ph.D. by their start date.

#### **JOB DUTIES SPECIFICATIONS**

The successful applicant will maintain scholarly and funded research activities; teach undergraduate and graduate classes; advise students; and provide service to the university, professional communities, and to the public.

#### TO APPLY

Please visit https://jobs.hrc.pdx.edu/postings/35879 for detailed information and instructions on applying.

Applicants must provide:

- a cover letter addressing how the applicant fits into the areas identified in the position description and how they will contribute to the research portfolio and/or the strategic vision of the department;
- 2. a curriculum vitae;
- 3. a statement of teaching philosophy;
- 4. a statement of research interests;
- 5. a statement of philosophy and experience related to diversity, inclusion, and equity; and
- 6. contact information for three professional references.

For inquiries about these positions, please contact *cssearch@pdx.edu*. Review of applications will begin November 1, 2021 and will continue until the positions are filled.



### **Princeton University**

Associate and Full Professor of Computer Science

The Department of Computer Science at Princeton University invites applications at the Associate and Full Professor level. We are accepting applications in all areas of Computer Science. Applicants must demonstrate superior research and scholarship as well as an excellent teaching record. The department is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in Computer Science. A Ph.D. in Computer Science or a related area is required. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department.

Applications should be submitted online at https://www.princeton.edu/acad-positions/position/22601. Applicants should include a CV, research statement, teaching statement and contact information for at least three people who can comment on the applicant's professional qualifications.

For full consideration, we recommend that applicants apply by December 1, 2021, though we will continue to review applications past that date.

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. EEO IS THE LAW. https://dof.princeton.edu/policies-procedure/policies/equal-opportunity

Requisition Number D-22-COS-00005

## **Princeton University**

Associate Research Scholar in Theoretical Computer Science

The Department of Computer Science at Princeton University is seeking exceptional recent Ph.D. recipients for research positions in theoretical computer science and theoretical machine learning. The successful candidates will earn competitive salaries, commensurate with experience, and excellent benefits, and carry out independent research under the mentorship of the Theoretical Computer Science faculty, A PhD in Computer Science or a related field is required. Positions are for one year with the expectation of renewal for a second year, subject to a satisfactory first year performance. Appointment will start in the Fall 2022 semester, and is contingent on completion of Ph.D. These appointments will be at the rank of Associate Research Scholar.

An abiding interest in the power of computation has been a regular feature of life at Princeton since the times of Turing, Church, Goedel and von Neumann (all Princeton residents). The Theoretical Computer Science group continues today to pursue research in many areas of theory, including

complexity theory, algorithms, data structures, computational geometry, cryptography, machine learning and computational economics. We have close connections with faculty in other groups, including computational biology, graphics, networks and systems. Princeton is a wonderful place for TCS research.

Candidates must apply online at <a href="https://www.princeton.edu/acad-positions/position/22161">https://www.princeton.edu/acad-positions/position/22161</a> and submit a CV, research statement, and contact information for three references. For full consideration, we recommend that candidates apply (including letters of recommendation) by <a href="https://www.positions.com/positions">positions.com/positions.com/positions.com/positions.com/positions.com/positions.com/positions.com/positions.com/positions.com/positions.com/positions.com/positions.com/positions/p

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.

Reguisition #D-22-COS-00002

## **Princeton University**

Assistant Professor of Computer Science

The Department of Computer Science at Princeton University invites applications for tenure track faculty positions at the Assistant Professor level. We are accepting applications in all areas of Computer Science. Applicants must demonstrate superior research and



scholarship potential as well as teaching ability. The department is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in Computer Science. A Ph.D. in Computer Science or a related area is required. Candidates should expect to receive their Ph.D. before September 1, 2022. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department.

Applications should be submitted online at https://www.princeton.edu/acad-positions/position/22501. Applicants should include a CV, research statement, teaching statement, and contact information for at least three people who can comment on the applicant's professional qualifications.

For full consideration, we recommend that applicants apply by December 1, 2021, though we will continue to review applications past that date as needed.

This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/
Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. EEO IS THE LAW. https://dof.princeton.edu/policies-procedure/policies/equal-opportunity

Reguisition Number D-22-COS-00004

### **Princeton University**

Lecturer of Computer Science

The Department of Computer Science seeks applications from exceptional individuals who share our strong commitment to undergraduate education to join our teaching faculty in one or more full-time positions at the rank of Lecturer.

Computer Science is enjoying record popularity at Princeton, and opportunities abound to engage with our outstanding students at many levels. Our large undergraduate courses are the shared responsibility of a team of faculty and graduate assistants.

A successful candidate will participate in such a team at the outset. Job responsibilities can also include teaching upper-level courses, advising undergraduate research, curriculum development, state-of-the-art software technology development, data analytics, outreach to under-represented groups, and online content development.

Research and scholarship in CS education or in any area of CS is also encouraged. An advanced degree in computer science, or related field, is required.

Applications should be submitted online at <a href="https://www.princeton.edu/acad-positions/position/22643">https://www.princeton.edu/acad-positions/position/22643</a>. Applications must include a cover letter, curriculum vitae, teaching statement, material relevant to evaluating the applicant's teaching abilities and research accomplishments, and contact information for at least three references.

This position is subject to the University's background check policy. Further information about the Computer Science Department

at Princeton can be found at: https://cs.princeton.edu/

Princeton University is an Equal Opportunity/
Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. EEO IS THE LAW. https://dof.princeton.edu/policies-procedure/policies/equal-opportunity

Reguisition Number D-22-COS-00006

### **Purdue University**

Assistant/Associate Professor of Practice Positions in Computer Science

### **Job Summary**

The Department of Computer Science in the College of Science at Purdue University West Lafayette campus solicits applications for two Professor of Practice positions at the Assistant or Associate Professor level. Professors of Practice participate in departmental, college, and university-level activities and have professional development opportunities. The positions are non-tenure track faculty positions.

### Qualifications

Applicants must hold a PhD in computer science or a related field, or hold an MS in computer science combined with significant industry experience. Applicants should be committed to excellence in teaching and have the ability to teach a range of courses in the undergraduate curriculum. This includes traditional instruction (lecture



courses, lab courses), development and delivery of online courses, participation in curriculum and course development, and interaction with students and student teams. Instructional areas of particular interest are first and second programming courses for majors, mathematical foundations of computer science, and systems programming.

#### The Department and College

The Department of Computer Science offers a stimulating academic environment with strong instructional and IT staff support for its growing team of teaching faculty. The department currently enrolls over 1800 CS majors and 350 Data Science majors. Its graduate program includes 225 MS and 350 PhD students. For more information, see <a href="https://www.cs.purdue.edu">https://www.cs.purdue.edu</a>.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives that complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

### To Apply

Submit your application to *this site*.

Application materials requested include a curriculum vitae, a teaching statement, and an optional research statement. Purdue

University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. Within two business days of your submission, you will receive an email from system@ successfactors.com titled "Follow-up to your application." The email contains instructions on how to complete your application by submitting the names of your references. Review of applications and interviews will begin in November 2021 and continue through March 2022. A background check is required for employment in this position. Please send inquiries to popsearch@cs.purdue.edu.

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

## **Purdue University**

Assistant/Associate Faculty Position

The Elmore Family School of Electrical and Computer Engineering at Purdue University invites applications for a tenure track Assistant/Associate Professor position.

Purdue University seeks to attract exceptional candidates with expertise in new-era crosslayer microelectronics, including materials, devices, integrated circuits, and systems. We are seeking applications from researchers

who understand the need to perform scientific work across more than just one of the above fields to realize the next generation of microelectronics. The scope includes hardware solutions that involve heterogeneous integration and advanced packaging concepts. Candidates with expertise in open-source design tools with security, robustness, opensource IP, and packaging as foundational aspects of the design methodology are also encouraged to apply. Successful candidates must hold a Ph.D. degree in Electrical and Computer Engineering or a related discipline and demonstrate excellent potential to build an independent research program, as well as the potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels.

The Elmore Family School of Electrical and Computer Engineering (ECE) is the largest academic unit at Purdue University and one of the largest in the nation with more than 110 faculty members (6 NAE members, more than 40 Fellows in multiple societies), 1,700 undergraduate students (sophomoresseniors) and 1,000 graduate students. ECE is home to the NSF Network for Computational Nanotechnology (NSF NCN, nanoHUB), the SRC/ DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and big SRC center-level efforts in new-era electronics. ECE faculty lead the Birck Nanotechnology Center and various research areas under two NSF Engineering Research Centers (ERCs). ECE's undergraduate, graduate and online programs rank 10th, 11th, and 1st in the nation, respectively.



The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives. and facilities.

Applications must be submitted electronically via this site including (1) a complete curriculum vita, (2) teaching plan, (3) research plan, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities. and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least 4 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs. College of Engineering, at coeacademicaffairs@ purdue.edu. Review of applications will begin on September 15th, 2021 and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution <a href="http://www.purdue.edu/advance-purdue/">http://www.purdue.edu/advance-purdue/</a>. The Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and

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

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

### **Purdue University**

Tenure Track or Tenured Associate or Professor of Biomedical Engineering/ Healthcare Engineering

The Weldon School of Biomedical Engineering and the Regenstrief Center for Healthcare Engineering at Purdue University invites applications for a tenure-track or tenured faculty position at the Associate Professor or Professor level. Qualified candidates will also be considered for a named professorship. Purdue University seeks to attract exceptional candidates with interests and expertise in Healthcare Security. Specifically, we seek candidates who have expertise in data-enabled biomedical science and engineering and applications thereof to healthcare and wellness data security, privacy, and computational modeling and/ or at the intersection of those fields with data science, artificial intelligence, and cybersecurity. The successful candidates must hold a Ph.D. degree in relevant biomedical engineering, electrical engineering, computer science, or related disciplines and demonstrate excellent potential to build an independent research program, as well as potential to educate and mentor students. The successful candidate will conduct

original research, advise graduate students, teach undergraduate and graduate-level courses, and perform service at the Center, School, College, and University levels.

The Weldon School of Biomedical Engineering and the Regenstrief Center for Healthcare Engineering at Purdue University have experienced significant growth in recent vears. The Weldon School of Biomedical Engineering is a leading biomedical engineering enterprise with recognized education and translational research programs, such as 25 companies started with \$75 million venture capital raised, \$17 million in total annual research awards, and active translational component of NIHsupported Indiana CTSI. Recently renewed with \$10 million commitment from the Regenstrief Foundation, the Regenstrief Center for Healthcare Engineering conducts research to improve the quality, accessibility, and affordability of healthcare delivery. For detailed descriptions of research activities see https://engineering.purdue. edu/BME and https://www.purdue.edu/ discoverypark/rche.

The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new



directions, by investing in people, exciting initiatives, and facilities.

Applications must be submitted electronically via this site, including (1) a complete curriculum vitae, (2) teaching plan, (3) research plan, (3) copies of three representative papers, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities. and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least four references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu.

Review of applications will begin on September 13, 2021, and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution http://www.purdue.edu/advance-purdue/. The Weldon School of Biomedical Engineering and the Regenstrief Center for Healthcare Engineering are committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

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

### **Purdue University**

Tenure-Track/Tenured Professor of Computer Science

#### **Job Summary**

The Department of Computer Science in the College of Science at Purdue University invites applications for five tenure-track or tenured positions in all areas of computer science. These appointments will be at the level of Assistant or Associate Professor. The positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science.

#### **Qualifications**

The Department is broadly interested in candidates from all areas of Computer Science. Outstanding applicants in all areas of computer science will be considered. To expand and enhance our existing strengths, we are particularly interested in Architecture / Systems, Security and Privacy, Artificial Intelligence / Robotics / Vision, and Human-Computer Interaction. We also have collegewide searches in Quantum Computing and Data Science - Candidates in those areas are encouraged to apply to those searches. Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. Successful candidates are expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

### The Department and College

The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of

computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <a href="https://www.cs.purdue.edu">https://www.cs.purdue.edu</a>.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

The department, college, and university all strive to provide an environment that values diversity, ensures equitable experiences, and promotes a culture of inclusivity and belonging.

#### To Apply

Submit your application to *this site*.

Application materials requested include (1) a curriculum vitae, (2) a statement of research a teaching statement, and (3) at least three names of reference. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences,



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

#### **Reference Collection**

Within two business days of your submission, you will receive an email from <code>system@successfactors.com</code> titled "Follow-up to your application." Please follow the instructions in the email to submit your references. You MUST complete this step in order to move forward in the process.

A background check will be required for employment in this position. Review of applications and interviews will begin in November 2021, and will continue until positions are filled. Inquiries can be sent to fac-search@cs.purdue.edu.

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

# Purdue University College of Engineering

Faculty Position Elmore Family School of Electrical and Computer Engineering

The Elmore Family School of Electrical and Computer Engineering (ECE) at Purdue University invites applications for a Professor of Engineering Practice position at either the Assistant or Associate Professor level. Purdue University seeks to attract exceptional candidates with interests and expertise in teaching in undergraduate and graduate level courses that provide the foundations for research and development

in the broad area of Autonomous and Connected Systems which includes, but is not limited to, machine learning, artificial intelligence, computer vision, imaging, robotics, wireless communications, data science, Internet of Things (IoT), radar, and other related methodologies. This position is aligned with Purdue Engineering's initiative on https://engineering.purdue.edu/Initiatives/AutoSystems

Successful candidates must hold a Ph.D. degree in electrical and computer engineering, computer science, statistics, or a related discipline, must be experienced in the practice of the broad area of Autonomous and Connected systems in industry/government/other organizations and demonstrate potential to vertically integrate practice-driven design throughout the ECE curriculum, and to develop national recognition for their work at the interface of practice and education/applied research. The successful candidate should possess strong leadership and organizational skills, and have a creative passion for educating and mentoring young engineers, preparing them to be highly contributing members of their profession. The successful candidate will teach undergraduate and graduate level courses and perform service at the School, College and University levels. Candidates with experience working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply.

The Elmore Family School of Electrical and Computer Engineering is the largest academic unit at Purdue University and one of the largest in the nation

with more than 110 faculty members (6 NAE members, more than 40 Fellows in multiple societies,) 1,700 undergraduate students (sophomores-seniors) and 1,000 graduate students. ECE is home to the NSF Network for Computational Nanotechnology (NSF NCN, nanoHUB), the SRC/DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and the Center for Innovation in Control, Optimization, and Networks (ICON), ECE faculty lead the Birck Nanotechnology Center and various research areas under two NSF Engineering Research Centers (ERCs). ECE's undergraduate, graduate and online programs rank 10th, 11th, and 1st in the nation, respectively.

The Elmore Family School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities

Applications must be submitted electronically via *this site* including (1) a complete curriculum vitae, (2) teaching plan, (3) research/engagement/outreach plan, (4) a diversity and inclusion statement indicating their past experiences, current



interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least 3 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu.

Review of applications will begin on August 31, 2021 and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution <a href="http://www.purdue.edu/advance-purdue/">http://www.purdue.edu/advance-purdue/</a> The Elmore Family School of Electrical and

Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

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

### **Purdue University**

Faculty Positions School of Electrical and Computer Engineering

The Elmore Family School of Electrical and Computer Engineering at Purdue University invites applications for two tenured or tenure track positions at the assistant and associate professor levels. Purdue University seeks to attract exceptional candidates with interests and expertise in areas of relevance to autonomous and connected systems, including (but not limited to): Al, machine learning, and control for autonomy (either centralized, distributed, or at the edge); wireless communications for autonomous systems; robotics; trust, security and privacy for autonomy; human-autonomy interaction; computer vision for autonomous systems; verification and validation of autonomous systems; intelligent infrastructure systems; hardware and software architectures for autonomous systems. Successful candidates must hold a Ph.D. degree in electrical engineering, computer engineering, computer science, mathematics, statistics, or a related discipline and demonstrate excellent potential to build an independent research program, as well as potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels.

The Elmore Family School of Electrical and Computer Engineering is the largest academic unit at Purdue University and one of the largest in the nation with more than 110 faculty members (6 NAE members, more than 40 Fellows in multiple societies), 1,700 undergraduate students (sophomoresseniors) and 1,000 graduate students. ECE is home to the NSF Network for Computational Nanotechnology (NSF NCN, nanoHUB), the SRC/ DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and the Center for Innovation in Control, Optimization, and Networks (ICON). ECE faculty lead the Birck Nanotechnology Center and various research areas under two NSF Engineering Research Centers (ERCs). ECE's undergraduate, graduate and online programs rank 10th, 11th, and 1st in the nation, respectively.

The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Applications must be submitted electronically via *this site* including (1) a complete curriculum vitae, (2) teaching plan, (3) research plan, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. and (5) names and contact information for at least 3 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue. edu. Review of applications will begin on September 15, 2021 and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution http://www.purdue.edu/advance-purdue/. The Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and



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

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

### **Purdue University**

Tenure-Track/Tenured Professors in Computer Science - Data Science

The Department of Computer Science in the College of Science at Purdue University invites applications for tenure-track or tenured positions in the broad area of data science. The appointments would start in August 2022 or a future date subject to negotiation. Early career candidates with exceptional qualifications may be considered for a term-limited early career endowed professorship.

We are interested in all standard aspects of data science relevant to computer science, including:

- Systems research into data-science computing platforms
- Theory and data science
- Computational science and engineering, scientific computing, and scientific machine learning
- Numerical optimization and numerical methods for data science
- High performance computing for data science
- Topological and geometric aspects of data analysis
- Software engineering for data science

Appointments are expected to be at the level of Assistant or Associate Professor. The positions are part of a continuing expansion in a large-scale hiring effort across key strategic areas in the College of Science. Please also see the Computer Science positions posted separately, as data science candidates may also be appropriate for those positions. There are additional posted positions in data science at Purdue in both the Mathematics and Statistics departments. Candidates are encouraged to apply for all that are relevant. Joint appointments with other departments are possible based on candidate and departmental interests.

#### **Qualifications and Expectations:**

Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. We particularly encourage candidates who demonstrate the potential for collaboration across multiple disciplines.

Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

The Department and College: The
Department of Computer Science offers a
stimulating academic environment with
active research programs in most areas of
computer science. The department offers
undergraduate programs in Computer
Science and Data Science, and graduate MS
and PhD programs, including a Professional
MS in Information Security. For more
information, see https://www.cs.purdue.edu.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

**Application Procedure:** Applications need to be submitted to this site and need to include (1) a complete curriculum vitae, (2) a statement of research, (3) a statement of teaching, 4) at least three names of reference, and (5) a Diversity and Inclusion Statement. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

#### Reference Collection

Within two business days of your submission, you will receive an email from system@successfactors.com titled "Follow-up to your application." Please follow the instructions in the email to submit your references. You MUST complete this step in order to move forward in the process.

A background check will be required for employment in this position. Review of applications and interviews will begin December 1, 2021 and will continue until



positions are filled. Inquiries can be sent to ds-search@cs.purdue.edu.

Purdue University is an EOE/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

### **Purdue University**

Associate/Full Faculty Position

The Elmore Family School of Electrical and Computer Engineering at Purdue University invites applications for a tenured Associate/Full Professor position. Purdue University seeks to attract exceptional candidates with expertise in new-era cross-layer microelectronics, including materials, devices, integrated circuits, and systems. We are seeking applications from researchers who understand the need to perform scientific work across more than just one of the above fields to realize the next generation of microelectronics. The scope includes hardware solutions that involve heterogeneous integration and advanced packaging concepts. Candidates with expertise in open-source design tools with security, robustness, opensource IP, and packaging as foundational aspects of the design methodology are also encouraged to apply. Successful candidates must hold a Ph.D. degree in Electrical and Computer Engineering or a related discipline and demonstrate excellent potential to build an independent research program, as well as the potential to educate and mentor students. The successful candidate will conduct original

research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels.

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The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (2nd public college for engineering, 3rd for online graduate engineering programs, 4th for graduate programs, 6th in the world for utility patents, and 9th for undergraduate programs) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Applications must be submitted electronically via *this site* including (1) a complete curriculum vita, (2) teaching plan, (3) research plan, (4) a diversity and inclusion statement indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least 4 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on September 15th, 2021 and will continue until the position is filled. A background check is required for employment in this position.

Purdue is an ADVANCE institution http://www.purdue.edu/advance-purdue/. The Elmore Family School of Electrical and Computer Engineering is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement. Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

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



## RIT | Rochester Institute of Technology

#### Director of the School of Interactive Games & Media Tenured Professor

Rochester Institute of Technology is one of the largest nationally ranked research universities in the United States, is a national leader in professional and career-oriented education. The B. Thomas Golisano College of Computing and Information Sciences is inviting applications for the position of School Director of the School of Interactive Games and Media.

The ideal candidate will desire to lead a world class, top tier program into its next phase. To exercise leadership of an award winning, cutting-edge, collegial, and motivated professional community working with a global footprint, the School Director must be an equally accomplished and respected peer.

We are seeking a proven leader with experience in game and media development, or related fields; a track record of funded research; a commitment to interdisciplinary work; and demonstrated ability to manage an academic unit. Successful candidates will have a strong commitment to both undergraduate and graduate education, as well as the ability to provide leadership and support for faculty research, scholarship, and

This administrative appointment is for four years (ten months plus part-time summer) and may be renewed. The anticipated start date is August 2022.

The Director of the School of Interactive Games and Media ("IGM") reports to the Dean of the Golisano College of Computing and Information Sciences. The Director of IGM is an integral member of the College's senior management team which includes the Senior Associate Dean for Academic Affairs, Associate Dean for Research and Scholarship / PhD Program Director, Assistant Dean for Academic Services, Assistant Dean for Student Success, Director of Women in Computing, Department Chair of Software Engineering, Department Chair of Computer Science, Department Chair of Computing Security, Director of the School of Information, Director of Technical Operations, and Director of Operations.

The direct reports to IGM's School Director include 30 faculty members (tenure and non-tenure track) and four administrative/support staff. This includes three open tenure track faculty positions that may be filled during the next five academic years. The Director, in concert with the Assistant Dean for Student Success, oversees four professional academic advisors who work with students in the School's programs.

- Specific Duties & Responsibilities
   Provide direct leadership and management oversight that supports a culture of collaboration, innovation, respect, and teamwork within IGM, the college, the university, industry, and the greater community.
   Increase and enrich faculty scholarship, scholarly impact, creative opportunities, productivity, and professional development in interactive games and media in conjunction with MAGIC's wide range of games and digital media collaboration, research, and publishing.
   Lead short and long-term strategic planning for the School in conjunction with undergraduate and graduate program directors, staff, and College leadership.
   Ensuer robust and collaborative relationships with the leadership of the College and its other units, with faculty, staff, and students of IGM, with RIT's MAGIC Center and MAGIC Spell Studios, and with other RIT entities.
   Actively mentor and annually evaluate staff and faculty including establishing clearly defined annual steps and guideposts for tenure-track faculty and advocate for staff development resources for the school.
   Focus on achieving student success, as well as creating a supportive and stimulating environment for all students, contributing to a community committed to Student Centeredness.
   Oversee fiscal management to advance the School's academic mission and ensure ongoing operational health including budgetary management of the School's annual \$1.2M operating budget and initiating and proposing capital equipment and space improvement requests.
   Speanhead School fundraising, development, outreach, recruitment, and marketing efforts.
   Speanhead School fundraising, development, outreach, recruitment, and marketing efforts.
   Serve on committees and perform other job related duties and special projects to support RIT's and the School's mission.
   Act as an ambassador to other units within the University and

#### Department/College Description

Golisano College of Computing and Information Sciences
The B. Thomas Golisano College of Computing and Information Sciences ("GCCIS") is one of the largest computing colleges in the country. An integral part of RIT's creative hub where art, design, and technology intersect through interdisciplinary collaborations to solve real-world problems, GCCIS uses a human-centered approach to innovation that considers user needs, technological possibilities, and business requirements.

The college is housed in a modern facility equipped with numerous teaching and research laboratories to serve over 3,300 undergraduate students, 900 graduate students, and over 140 faculty members. The college is home to the departments of Computer Science, Computing Security, Software Engineering, the School of Information, 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.

GCCIS is a place that sets students up to make a difference in their field and in the world. In a student-centered supportive learning environment with unparalleled resources, dedicated faculty, extensive co-op experiences, and partnerships with industry leaders, students receive one-on-one attention from faculty. Faculty, staff and students have access to specialized studios, computer labs, and equipment that are among the most complete and current of any university in the world. GCCIS students go on to work at many of the world's largest tech firms and have developed groundbreaking technology like the Kinect for Xbox 360 and game-changing innovations like jQuery. GĆCIS students have a 95% career outcome rate six months after graduation.

Committed to excellence in teaching and research. IGM's programs, coursework, research, and development efforts provide over 800 undergraduates and nearly 60 graduate students with the knowledge and skills to pursue meaningful and rewarding careers in media-centric, interactive software development, while simultaneously advancing the field and helping to provide a well-rounded educational experience. IGM faculty also participate in the college-wide PhD Program in Computing and Information Sciences, which has 100 current doctoral students in the program.

IGM's students are involved regularly in game jams, independent creative projects and, with a 96% placement rate, graduates have obtained high-profile jobs as game designers and developers at AAA companies.

IGM supports and encourages creative and collaborative academic inquiry, by both faculty and students, and is committed to excellence in both teaching and scholarship. IGM faculty have active, externally funded research from organizations such as the National Science Foundation, National Endowment for the Humanities, and the game industry.

Faculty are taking games construction analysis one step further to include the artistic and technical processes constructing level or environmental design and creating more enriching and visually masterful video games and 2D/3D animations. Other faculty interest areas of game delivery environments include game localization and mobile games.

#### Required Minimum Qualifications

- The following minimum qualifications are required:

  A terminal degree in a related discipline; PhD preferred.

  Associate or Full Professor, or Equivalent Industry Rank or experience commensurate with that of the rank of professor in game and media development or related fields
- Teaching experience at the graduate or undergraduate level in game design/development, interactive media, or related areas
   Strong Commitment to undergraduate and graduate education contributing to a community committed to student centeredness and dedication to leading a faculty focused on the successful instruction of students in the areas of programming, game design, asset creation, production, new media, and other areas of core interest to our students and faculty

#### RIT will also consider the degree to which a candidate is:

- A strategic thinker possessing: demonstrated knowledge of technologies and emerging trends in game design/development and interactive media
- demonstrated record of promoting and developing opportunities for innovation, diversity and collaboration
   a vision for the future of IGM's games and media programs that is inclusive of IGM's many concentrations
   an understanding of the various research areas within IGM
   An academic or industry leader possessing:

- experience in game and media development, or related fields active participation in related professional associations a record of funded and published scholarship in game design/development, interactive media, peer reviewed publication outlets, or related areas
- An effective administrator possessing:
- An enercitive administrator possessing:
   demonstrated ability to provide support for faculty research, scholarship, professional development and curriculum development
   experience mentoring tenure and non-tenure track faculty and staff
   the ability to foster a positive, cooperative and productive teamwork environment with diverse populations in the classroom, the university and the larger professional community
   traits such as flexibility, good communication skills, and ability to work on teams and collaborate across disciplines
- demonstrated leadership skills in areas such as planning, budgeting, recruiting, assessment, and professional development
   the ability to contribute in meaningful ways to the college's continuing commitment to cultural diversity, pluralism, and individual differences

### Required Minimum Education Level MFA. PhD

How To Apply
To apply, visit https://apptrk.com/2528268
Review of applications will begin upon receipt, and will continue until the position has been filled.
The incoming dean will interview the finalists for the position.

The direct link to this posting can be found here: https://apptrkr.com/2528268



## RIT | Rochester Institute of Technology

### Global Cybersecurity Institute (GCI) Fellow

Golisano College of Computing & Info Sciences GCCIS - Global Cybersecurity Institute

#### Detailed Job Description

The Global Cybersecurity Institute (GCI) at RIT invites applications for a full-time GCI Fellow position. The GCI Fellow is a 2-year post-doctoral research position, starting in January 2022, to conduct collaborative research with GCI faculty across academic departments while closely mentored by a primary faculty advisor. The GCI fellow is expected to publish peer-reviewed papers, co-advise PhD students, and assist or lead in preparing research funding proposals to secure funding in collaboration with the faculty mentor and other GCI faculty. Teaching opportunities may be discussed as appropriate. We strive to provide the GCI Fellow with autonomy to conduct research while offering a comprehensive mentorship for academic and professional growth.

We invite applications from candidates with strong research outputs in the broad areas of cybersecurity and privacy, including but not limited to: usable security, cryptography, software security, network and system security, cybersecurity analytics, and the intersection of cybersecurity and artificial intelligence. The successful candidate should have a PhD. degree in areas closely related to cybersecurity before starting at RIT. The candidate will be housed in a home department with the primary faculty advisor, and will be expected to collaborate across the academic departments affiliated with GCI to advance research and education in cybersecurity broadly for the growth of GCI.

#### Department/College Description

Building on our strong existing cybersecurity academic, research and industrial programs, RIT is making another major investment in cybersecurity. Leveraging a recent gift of \$20 million by alumnus Austin McChord and a \$5 million investment by New York State we just opened a new 50,000-sq. ft. building dedicated to the new Global Cybersecurity Institute (GCI), helping to further establish RIT as a leader in this field. Beyond our state-of-the-art new cybersecurity facility with unique capabilities like our commercial grade Cyber Range and our wireless and IoT testing labs these gifts support the hiring of faculty, graduate students and post doctorate positions. Currently, we have 27 faculty members from across RIT working to address the growing challenges in cybersecurity with an interdisciplinary approach and are actively recruiting for several more. Please visit https:// www.rit.edu/cvbersecurity/ for more information about GCI and cvbersecurity at RIT.

#### **Required Minimum Qualifications**

PhD. research in cybersecurity in with a degree in disciplines including but not limited to computer science, computer engineering, electrical engineering, computing security, software engineering, public policy, cognitive psychology, international relations and criminal justice.

#### Employment Category: Fulltime

In order to be considered for this position, you must apply for it at: http://careers.rit.edu/staff. Click the link for search openings and in the keyword search field; enter the title of the position or the BR number. Please submit your online application and upload the following:

- Cover Letter, including but not limited to the following
- Summary of research expertise, experiences, and accomplishments
- . Goals and plan of research as a GCI Fellow in collaboration with RIT faculty
- A list of RIT faculty who have "explicitly" expressed interests to be a mentor or a collaborator

The direct link to this posting can be found here: https://apptrkr.com/2527658

#### **Additional Details**

Rochester Institute of Technology, the 10th largest private university in the U.S., is among the world's leading technological universities. Its 18,000 undergraduate and graduate students from all 50 states and more than 100 countries are enrolled in over 200 academic programs, including 7 interdisciplinary Ph.D. programs. A pioneer in experiential education, RIT was the first to offer undergraduate degree programs in biotechnology, information technology, software engineering, and microelectronic engineering. As home to the National Technical Institute for the Deaf, the university offers unparalleled academic opportunities and services for the deaf and hard-of-hearing. Founded in 1829, RIT has 115,000 alumni throughout the United States and around the world. RIT has been named by the Chronicle of Higher Education as one of the "Great Colleges to Work For." RIT is a National Science Foundation ADVANCE Institutional Transformation site, and is responsive to the needs of dual-career couples through the Upstate NY Higher Education Recruitment Consortium. For more information, visit http://www.rit.edu/overview/rankings-and-recognition and http://www.rit.edu.

As a member of the RIT community employees receive a well-balanced benefits package that offers a variety of choices and access to additional employment advantages. These benefits, combined with an employee's pay, provide a total compensation package that can be tailored to meet your needs. More on RIT's Benefits, Health & Wellness program can be found at:

https://www.rit.edu/fa/humanresources/content/benefits-health-and-wellness

RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT/TitleIX or the U.S. Department of Education at ED.Gov

# Rochester Institute of Technology

#### **Non-Tenure Track Faculty**

Golisano College of Computing & Info Sciences GCCIS - Computing Security

Faculty Type (Tenure Status): Non-Tenure-Track Lecturer

Faculty Discipline: Computer Science, Computer Security and Information Assurance, Information Security and Forensics, Networking and Cyber Security, Software Engineering

Faculty Rank: Lecturer Employment Category: Fulltime
Anticipated Start Date: 03-Jan-2022

### **Detailed Job Description**

The Department of Computing Security at RIT invites applications for a Lecturer position beginning January 2022. The successful candidates will be able to teach a range of courses, covering basic and advanced topics, in computing security and computer science. This may include: introduction to computer science (including programming in Java and Python); fundamentals of computing security, cryptography, systems and network security, etc.

We are seeking an individual who has the ability and interest in contributing to a community committed to student centeredness; professional development and scholarship; integrity and ethics; respect, diversity and pluralism; innovation and flexibility; and teamwork and collaboration.

Select to view links to RIT's http://www.rit.edu/~w-policy/sectionA/corevalues.html, http://www.rit.edu/~w-policy/sectionA/honorcode.html, and http://finweb.rit.edu/humanresources/diversity/commitment.html.

#### Department/College Description

The College: Golisano College of Computing and Information Sciences at RIT is one of the most comprehensive computing colleges in the nation. The college is housed in modern facilities in Rochester, NY, that include leading programs in computer science, game design and cybersecurity. As home to the country's first undergraduate programs in software engineering and information technology, as well as the recently opened Global Cybersecurity Institute, Golisano College has long been a leader in computing education and research. Faculty, staff and students have access to specialized studios, labs, and equipment that are among the most complete and current of any university in the world. Moreover, Golisano College graduates go on to work at the world's leading tech firms and have developed groundbreaking technology like the Kinect for Xbox 360 and game changing innovations like jQuery. The college is home to the departments of Computer Science, Computing Security, and Software Engineering, as well as the School of Information, the School of Interactive Games & Media, and a college-wide PhD program, providing abundant opportunities for research collaboration within and beyond the college.

The Department: Computing Security: Established in 2012 to address critical security challenges cutting across computing disciplines, the computing security department is located in the new state-of-the-art Global Cybersecurity Institute building. The department currently has 16 full-time faculty and is committed to excellence in teaching and research in computing security. The department offers the Bachelor of Science and Master of Science degrees in computing security with current enrollment of 500 and 60 students, respectively. The PhD program is administered within the B. Thomas Golisano College of Computing and Information Sciences. RIT is designated as one of National Center for Academic Excellence in both Cyber Defense Education and Research by the Department of Homeland Security and National Security Agency. The department seeks to advance the computing security discipline and to meet the rapidly growing need of computing security professionals in the workforce. RIT's cyber defense team is a perennial contender in the National Collegiate Cyber Defense Competition and won the national championship in 2013. The department engages in a wide range of research in topics such as Cyber Analytics, Machine Learning, Applied Cryptography, Privacy, Digital Forensics, Network Security, Usable Security, and Cybersecurity Pedagogy

#### Required Minimum Qualifications

- Completion of a minimum M.S. in a computing related field
- Ability to teach courses across computing security and introductory computer science curriculum
   Ability to contribute to curriculum and course development in computing security
- Strong commitment to undergraduate computing security education Strong written and oral communication skills.
- Ability to contribute in meaningful ways to the college's continuing commitment to cultural diversity, pluralism, and individual differences.

#### Required Minimum Education Leve

Required Application Documents

Cover Letter, Curriculum Vitae or Resume, List of References, Statement of Diversity Contribution,

Apply online at will http://careers.rit.edu/faculty Keyword Search for 5921BR. Please submit your application, curriculum vitae, cover letter addressing the listed qualifications and upload the following attachments:

- A brief teaching philosophy
- The names, addresses and phone numbers for three references
- https://www.rit.edu/academicaffairs/facultyrecruitments/ Diversity\_Statement\_Guide\_for\_candidates\_4-12.docx

Review of applications will begin October 1, 2021 and will continue until the position has been filled.

The direct link to this posting can be found here: https://apptrkr.com/2528288

RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT/TitleIX or the U.S. Department of Education at ED.Gov.



# Rochester Institute of Technology

### **Tenure Track Faculty**

Golisano College of Computing & Info Sciences

GCCIS - Computer Science

Faculty Type (Tenure Status): Tenure-Track Faculty Discipline: Computer Science Faculty Rank: Assistant Professor Employment Category: Fulltime Anticipated Start Date: 10-Aug-2022

### **Detailed Job Description**

The Department of Computer Science at the Rochester Institute of Technology invites applications for full-time tenure-track assistant professor positions in all areas of computer science that strengthen

Successful applicants are expected to contribute to the scholarship of the department and college through externally funded research and through teaching and mentoring of BS, MS, and PhD students.

#### Department/College Description

The College: The Golisano College of Computing and Information Sciences is home to the departments of Computer Science, Software Engineering, Computing Security, School of Information, and the School of Interactive Games and Media. The college's PhD program in Computer and Information Sciences was ranked 68th in the U.S. News and World Reports 2021 ranking of Best Doctoral Computer Science Programs. The college has 140 faculty and more than 3,600 undergraduate and 950 graduate students. RIT is an interdisciplinary research hub, with research groups and communities encompassing a range of domain areas, including the Global Cybersecurity Institute (https://rit.edu/cybersecurity), RIT's Personalized Healthcare Technology initiative (https:// pht.rit.edu), the Center for Human-Aware Artificial Intelligence (https://rit.edu/chai), the Center for Advancing STEM Teaching, Learning and Evaluation (https://rit.edu/castle/), the Media Arts Games Interaction Creativity (MAGIC) Center (https://magic.rit.edu), the Center for Computational Relativity and Gravitation (https://ccrg.rit.edu/), the Golisano Institute for Sustainability (https://rit.edu/

The Department: Computer Science (https://cs.rit.edu) is the largest department at RIT. Our student-centered programs are home to nearly 1,400 students pursuing BS, MS, BS/MS, and PhD degrees. Student employment rates upon graduation are over 98%, often with leading technology companies. Our innovative problem-based introductory programming sequence has been continuously updated, in part through research projects funded by the National Science Foundation (NSF). The BS in Computer Science program at RIT is ranked 54th in the U.S. News and World Reports 2021 ranking of Best Undergraduate Computer Science Programs.

We have enhanced our research presence while maintaining our commitment to excellence in student instruction. Our faculty publish in top-tier venues, and contribute to leading conferences and journals. Funded research is carried out in the areas of artificial intelligence, computing education, data science, distributed systems, graphics and visualization, pervasive computing, programming languages, security, and theory (https://rit.edu/computing/department-computer-science#research). Students at all levels participate in research projects, including through NSF-sponsored undergraduate research programs. Our PhD students have made meaningful contributions to their respective areas, and gone on to secure excellent positions in industry and academia. Faculty are encouraged to develop new courses and teach in their area of interest and have a low teaching load with capped class sizes.

#### **Required Minimum Qualifications**

- · PhD in computer science by the date of appointment.
- Ongoing strong publication record and potential for obtaining external funding in an area of computer science that strengthens our department.
- Commitment to and experience in teaching and mentoring BS, MS, and PhD students in
- . Ability to contribute in meaningful ways to the RIT's continuing commitment to cultural diversity, pluralism, and individual difference
- Ability to communicate effectively in English.

#### Required Minimum Education Level

#### Required Application Documents

Cover Letter, Curriculum Vitae or Resume, List of References, Research Statement, Statement of Diversity Contribution, Statement of Teaching Philosophy

Apply online at: https://careers.rit.edu/faculty. Keyword Search: 6100BR.

- Please submit the following.

   A cover letter addressing the required qualifications for this position.
- · A curriculum vitae
- A research statement
- · A teaching statement.
- The names and contact information of three references.

You can contact the search committee with questions on the position at: csfacsearch@cs.rit.edu For guaranteed consideration, candidates should apply by December 1, 2021.

The direct link to this posting can be found here: https://apptrkr.com/2562573

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## Rochester Institute of Technology

### Tenure Track Faculty - Golisano College of Computing & Info Sciences

#### 6028RR

Golisano College of Computing & Info Sciences

GCCIS - School of Information
Faculty Type (Tenure Status): Tenure-Track, Tenured Faculty Discipline: Artificial Intelligence, Computer Science, Human Computer Interaction, Information Sciences & Technologies Faculty Rank: Assistant Professor Associate Professor Professor

Employment Category: Fulltime Anticipated Start Date: 10-Aug-2022

#### Detailed Job Description

As part of a growing, strategic research cluster in human-computer interaction (HCI) and computing accessibility, the School of Information at RIT invites applications for a full-time tenure-track position, at the assistant, associate, or full professor rank, for an appointment beginning fall 2022

We are seeking a candidate with expertise in one or more of the following or related areas: computing accessibility for people with disabilities or older adults; HCI for artificial-intelligence-based systems (e.g., human Al integration, human Al collaboration, human aware Al, explainable Al, interactive machine learning, and human-in-the-loop learning); or HCI for wearable, mobile, or ubiquitous systems (e.g., physical/tangible computing, human augmentation, augmented mind, embodied interaction, IoT and data analytics, and fabrication). Outstanding applicants in other areas of HCI will also be considered, especially those with methodological expertise in prototyping or system-building of new technologies.

Research Environment: RIT is home to the HCI at RIT Research Community (http://hci-research.rit.edu) and the Center for Accessibility and Inclusion Research (CAIR) (http://cair.rit.edu), with over 30 RIT faculty and students actively engaged in research in the fields of human-computer interaction and accessibility. Since 2014, CAIR faculty have secured over \$5 million in external research funding support, over 100 peerreviewed journal and conference publications, and twelve Best Paper and Honorable Mention Awards from major research venues, including the ACM CHI and ASSETS conferences. RIT is a member institution of the Human Computer Interaction Consortium (https://locic.org/) and a member of the iSchools Organization (https://ischools.org/). Beyond HCI, RIT is an interdisciplinary research hub, with research groups and communities encompassing a range of domain areas, including: RIT's Personalized Healthcare Technology initiative (http://pht.rit.edu), Center for Cybersecurity (http://www.rit.edu/cybersecurity), Center for Human-Aware Artificial Intelligence (http://www.rit.edu/chai), Center for Advancing STEM Teaching, Learning and Evaluation (https://www.rit.edu/castle/), and the Media Arts Games Interaction Creativity (MAGIC) Center (https://magic.rit.edu). In addition, RIT is home to the National Technical Institute for the Deaf (NTID), with over 1,000 Deaf and Hard of Hearing students on the campus.

Applicants should possess a PhD degree in Computer Science, Informatics, Information Science, or a related field by the start date of the appointment, and conduct high-quality, cutting-edge research that shapes the HCI or computing accessibility fields. Applicants should show strong commitment to undergraduate/graduate teaching, demonstrate the ability for innovative research and high-impact publications, and exhibit potential to pursue externally funded research.

We are seeking an individual who has the ability and interest in contributing to RIT's

http://www.rit.edu/~w-policy/sectionA/corevalues.html, http://www.rit.edu/~w-policy/sectionA/honorcode.html,

and http://finweb.rit.edu/humanresources/diversity/commitment.html.

#### Department/College Description

The College: Golisano College of Computing and Information Sciences at RIT is one of the most comprehensive computing colleges in the nation. The college is housed in modern facilities in Rochester, NY, that include leading programs in computer science, game design and cybersecurity. As home to the country's first undergraduate programs in software engineering and information technology, as well as the recently opened Global Cybersecurity Institute, Golisano College has long been a leader in computing education and research. Faculty, staff and students have access to specialized studios, labs, and equipment that are among the most complete and current of any university in the world. Moreover, Golisano College graduates go on to work at the world's leading tech firms and have developed groundbreaking technology like the Kinect for Xbox 360 and game-changing innovations like jQuery. The college is home to the departments of Computer Science, Computing Security, and Software Engineering, as well as the School of Information, the School of Interactive Games & Media, and a college-wide PhD program, providing abundant opportunities for research collaboration within and beyond the college

The Department: The School of Information (the iSchool) is one of six administrative units within the College of Computing and Information Sciences; the School creates and applies knowledge in the field of information science, to bring together people, information, and technology. The iSchool oversees academic and curricula development for both undergraduate, and graduate students, pursuing degrees in three undergraduate BS programs, four graduate programs, and an advanced certificate program - including programs in computing and information technologies, human-computer interaction, data science and analytics, and web and mobile computing. The ischool provides leadership, administrative, financial, and logistical support to more than 700 undergraduate and graduate students with 28 faculty and 7 staff in Rochester, and also provides support of the School's degrees at RIT's global campuses in Croatia, Kosovo, and UAE. The School is among the university leaders in terms of grant generation and publications, and faculty include winners of university awards for teaching and research, as well as professional leaders, including ACM SIG chairs. The School is also home to several labs and research centers, especially in the areas of human-computer interaction, accessibility, and data analytics. The School also plays a large research and delivery role in the university's Computing for All efforts, to foster greater inclusion in computing and

#### Required Minimum Qualifications

All candidates must meet the minimum qualifications of:

- · Completion of a PhD in Computer Science, Informatics, Information Science, or a related field by the start date of the appointment
- Demonstrated ability to publish research in HCl or accessibility
- Ability to communicate effectively in English
   Demonstrated ability or potential to teach effectively in higher education
- Ability to contribute in meaningful ways to the college's continuing commitment to cultural diversity, pluralism, and individual differences.

#### Candidates seeking the rank of associate professor must also:

- Have an active and significant engagement in the profession through, e.g., editorial boards of journals, conference organizing committees and/or program committees, or professional societies/organizations.
- Have developed proposals for external funding and/or experience managing funded research projects in an academic setting, or experience managing teams and projects in an industry setting. Have demonstrated an ability for scholarly research as seen by a strong scholarly dissemination record relevant to the applicant's area of HCI or accessibility-related expertise.

- Candidates seeking the rank of professor must also:

  Have significant leadership roles in the profession through, e.g., editorial boards of journals, conference organizing committees and/or program committees, or professional societies/organizations.
- Have a demonstrated record of external funding support and/or managing funded research projects in an academic setting or significant experience managing teams and projects in an industry setting.
   Have demonstrated ability for scholarly research as seen by an extensive scholarly dissemination record relevant to the applicant's area of HCI or accessibility-related expertise.

#### Required Minimum Education Level

Required Application Documents
Cover Letter, Curriculum Vitae or Resume, List of Publications, List of References, Research Statement, Statement of Teaching Philosophy

Apply online at http://careers.rit.edu/faculty; search openings, then Keyword Search 6028BR. Please submit your application, curriculum vitae, cover letter addressing the listed qualifications and upload the following attachments

- A brief teaching philosophy
- The names, addresses and phone numbers for three references
   List of Publications
- · Research Statement
- Statement of Teaching Philosophy

Review of applications will begin December 15, 2021, and will continue until the position has been filled

The direct link to this posting can be found here: https://apptrkr.com/2528286

#### **Additional Details**

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/TitletX or the U.S. Department of



### Ramapo College of New Jersey

Tenure Track - Assistant / Associate Professor of Computer Science

Ramapo College of New Jersey is seeking applicants for a tenure track faculty position in Computer Science, with a starting date of September 2022, with a rank of Assistant or Associate Professor depending on the successful candidate's previous work experience and record of scholarly achievement. The successful candidate will demonstrate a dedication to teaching computer science at the undergraduate and graduate (Masters's) levels. The candidate must have a strong background in their discipline, as evidenced by publications, presentations, professional experience, external funding record, and/or their work as a Ph.D. candidate. Candidates with expertise in any area of Computer Science are encouraged to apply.

RCNJ is New Jersey's Public Liberal Arts College, dedicated to providing students a strong foundation for a lifetime of achievement. The College is committed to academic excellence through interdisciplinary and experiential learning and international and intercultural understanding. Ramapo College emphasizes teaching and individual attention to all students. We promote diversity, inclusiveness, sustainability, student engagement, and community involvement.

**Requirements:** PhD in Computer Science, or a closely related field completed by September 2022.

**Application Instructions:** Candidates must apply electronically, with a cover letter, CV, and Teaching and Research statements

through RCNJ's application site: https://www.ramapojobs.com/job-details?jobID=387

RCNJ is an Equal Opportunity Employer

## **Rice University**

Faculty Positions at Rice

The Department of Computer Science at Rice University invites applications for a range of faculty positions starting in Fall 2022.

# Tenured and tenure-track positions (all ranks)

Artificial Intelligence/Machine Learning: The Department seeks excellent candidates in all areas of AI/ML, but is particularly interested in candidates who work at the intersection of AI/ML and other sub-areas of computer science that have traditionally been strengths for the Department of Computer Science, such as computer systems, programming languages, high-performance computing, formal methods, and computer security.

# Apply in Interfolio http://apply.interfolio.com/96242

 Quantum Computing: The search focuses, but is not limited to, the fundamentals of quantum algorithms and complexity, quantum information theory, quantum cryptography, quantum systems and applications, and models of testing quantum devices. Rice University has recently established the Rice Quantum Initiative (RQI) to expand Rice's investment in quantum information science and technology, building on recognized strengths in quantum research. Candidates are expected to be active members of the RQI, and contribute to teaching related to quantum matters at the undergraduate and graduate levels. Apply in Interfolio <a href="http://apply.interfolio.com/96242">http://apply.interfolio.com/96242</a>

These positions require conducting high-quality research in artificial intelligence and/or quantum computing, as well as teaching graduate and undergraduate courses in Computer Science. Successful candidates will have a strong commitment to teaching, advising, and mentoring undergraduate and graduate students from diverse backgrounds.

#### Non-tenure track positions

- Assistant Teaching Professor: The primary responsibilities of Teaching Professors are to teach, contribute to the application and dissemination of pedagogical practices, and carry out service related to teaching. They are not required nor expected to carry out disciplinary research but may pursue such research or research related to their education mission. Apply in Interfolio <a href="http://applyinterfolio.com/96086">http://applyinterfolio.com/96086</a>
- Lecturer: The primary responsibilities of Lecturers is to teach and to carry out service within the department. Apply in Interfolio http://apply.interfolio.com/95843

These positions will involve both online and oncampus teaching. Applicants who prefer only to teach online will also be considered. Applicants with teaching expertise in any area of Computer Science will be considered, but candidates with experience in Programming Languages and Software Engineering are preferred.

#### Logistics

All of these positions will start in August 2022. Applicants must hold a Ph.D. degree or equivalent in computer science or a



related discipline or must complete the Ph.D. by November 1 of the year employment commences

Please submit a CV, a research statement (for the tenure-track positions), a statement of teaching interests, and the names and addresses of at least three references through the appropriate Interfolio link above. The application deadline for these positions is December 31, 2021. However, late applications may still be considered at the discretion of the faculty search committee. More information can be found on the Interfolio postings or by contacting the Computer Science Department Executive Administrator, Ms. Karen Lavelle, at *klavelle@rice.edu*.

Rice University is an Equal Opportunity
Employer with commitment to diversity at all levels, and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability or protected veteran status.

or Ph.D. in computer science or closely related field, and demonstrated teaching experience.

non-tenure-track position must have an M.S.

The Department of Computer Science supports bachelors, masters and doctoral programs in computer science and closely related areas such as artificial intelligence, bioinformatics, data science, and software engineering. The department seeks to expand upon strengths in current teaching and research clusters (algorithms, bioinformatics, computer vision, highperformance computing, machine learning, natural language processing, networking/ security, and systems), and to develop additional strength in key areas such as software engineering and human-computer interactions. Tenure-track faculty members are expected to develop and maintain active research programs and both tenure-track and non-tenure-track faculty will contribute toward teaching a diverse portfolio of inclusive classes at the undergraduate and/ or graduate level.

Instructions for applicants are at <a href="https://cs.slu.edu/hiring">https://cs.slu.edu/hiring</a>. Applicants must provide a cover letter, CV, research statement (for tenure-track applicants), teaching statement, a statement addressing how the applicant's efforts can support an inclusive and diverse community, and contact information for at least three individuals who can provide reference letters.

Review of applications will begin immediately.

Saint Louis University is an equal opportunity/ affirmative action employer. All qualified candidates will receive consideration for the position applied for without regard to race, color, religion, sex, age, national origin, disability, marital status, sexual orientation, military/veteran status, gender identity, or other non-merit factors. We welcome and encourage applications from minorities, women, protected veterans, and individuals with disabilities (including disabled veterans). If accommodations are needed for completing the application and/or with the interviewing process, please contact Human Resources at 314-977-5847.

# San Diego State University Department of Computer Science

Tenure-Track Assistant Professor Position

The Department of Computer Science is seeking to hire a tenure-track assistant professor beginning Fall 2022. Strong candidates in all fields of computer science will be considered, with an emphasis on software engineering. The candidates should have a PhD degree in Computer Science or a closely related field.

Position details and instructions to apply can be found at <a href="https://apply.interfolio.com/94563">https://apply.interfolio.com/94563</a>.

Questions about the position may be directed to COS-CS-SE-Search2022@sdsu.edu.

SDSU is an equal opportunity/Title IX employer.

## **Saint Louis University**

Multiple Faculty Positions in Computer Science

Saint Louis University, a Catholic, Jesuit institution dedicated to student learning, research, health care, and service, invites applicants for both tenure track and nontenure-track faculty positions in computer science to begin in August 2022. Candidates for a tenure-track position must have a Ph.D. in computer science or a closely related field and demonstrate strong potential for both research and teaching, and candidates for a



# San Francisco State University

Two Tenure-Track Assistant Professors

San Francisco State University, Department of Computer Science seeks applicants for two tenure-track Assistant Professor positions in HPC, Theory of Computation or CS Approaches Against Social Inequities, beginning August 2022 (Candidates in other areas are also encouraged to apply). The mission of San Francisco State University is to create an environment for learning that promotes appreciation of scholarship, freedom, human diversity, and the cultural mosaic of the City of San Francisco and the Bay Area; to promote excellence in instruction and intellectual accomplishment: and to provide broadly accessible higher education for residents of the region, state, the nation, and the world. Ph.D. or equivalent degree in Computer Science required. Salary commensurate with qualifications.

Application review begins 12/1/2021, continues until filled, Send letter of intent, a current CV, a statement on how your teaching and scholarship align with the commitment of the CS Department to foster an inclusive and diverse academic community; representative publications; teaching statement; research statement; contact information of three references at <a href="https://careers.pageuppeople.com/873/sf/en-us/listing/">https://careers.pageuppeople.com/873/sf/en-us/listing/</a>

Letters of recommendation upon request at a later date.

### San José State University

Assistant Professor - Computer Engineering (Open Specialization) Job no. 505306

The Computer Engineering Department at San José State University (SJSU), http://cmpe.sjsu.edu/, invites applications for two tenure-track faculty positions at the rank of Assistant Professor. Areas of particular interest include computer architecture, embedded systems, robotics, computer vision, digital design, SOC and ASIC design, artificial intelligence and machine learning, human-computer interaction, cyber-physical systems, data analytics, data mining and big data, and software design, but other related areas will also be considered.

Located in the center of Silicon Valley, the Computer Engineering Department provides local and national high-tech companies with high-quality, practice-oriented computer graduates. Bachelor's degree programs are offered in computer engineering and software engineering. Master's degree programs are offered in computer engineering, software engineering, and artificial intelligence. Course topics range from computer hardware design and embedded systems to software design and construction of real-time systems, virtual systems, enterprise software, and data mining. The department serves more than 2000 undergraduate and graduate students and provides its faculty and students with ample opportunities for close collaborative ties with industry and research partners in Silicon Valley.

For a complete job description and to apply: https://jobs.sjsu.edu/en-us/job/505306/ assistant-professor-computer-engineeringopen-specialization

### **Equal Employment Statement:**

SJSU is an Equal Opportunity-Affirmative Action employer. We consider qualified applicants for employment without regard to race, color, religion, national origin, age, gender, gender identity/expression, sexual orientation, genetic information, medical condition, marital status, veteran status, or disability.

It is the policy of SJSU to provide reasonable accommodations for applicants with disabilities who self-disclose.

### **Santa Clara University**

Tenure-Track Assistant Professor of Computer Science and Engineering

#### **Purpose:**

The Department of Computer Science & Engineering at Santa Clara University invites applications for two tenure-track Assistant Professor positions starting in the 2022-2023 academic year. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specializations in software engineering, programming languages, visualization (AR/VR), database systems, and embedded systems. However, Silicon Valley is an area of broad and everchanging technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.



Santa Clara University (https://www.scu. edu) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and has been ranked first among all regional universities in the West by U.S. News and World Report, Santa Clara University is now elevated to a new category in national rankings, "Doctoral/Professional Universities." Santa Clara University's ranking in the 2021 edition of Best Colleges is National Universities, #53. 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 (https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/) offers B.S., M.S. and Ph.D. degrees, with 23 full-time faculty, and a strong pool of approximately 20 part-time adjunct faculty who instruct about 400 undergraduate majors, and about 450 part-time and full-time graduate (M.S. and Ph.D.) majors. The School of Engineering maintains strong ties to local industry.

SCU and the computer science and engineering profession are committed to justice, equity, diversity, and inclusion; we seek candidates whose research, teaching,

and/or service have prepared them to help fulfill our commitment to these. All SCU faculty engage in teaching, research and service. The ideal candidate will express enthusiasm for teaching classes from undergraduate through graduate courses in areas of specialization, and lower division courses of a fundamental nature, fulfilling all responsibilities related to those courses, and for engaging students from diverse backgrounds in learning. The successful candidate will be expected to develop her/his own scholarly research, including mentoring undergraduate and graduate students. She/ he will demonstrate passion for developing an active research program appropriate to Santa Clara's mission that leads to highquality publications, grant applications, and engages students as participants.

We welcome candidates who are ready to contribute to our mission to educate citizens and leaders of competence, conscience, and compassion and to cultivate knowledge and faith to build a more humane, just, and sustainable world. We especially encourage applicants whose goals and professional or life experiences enrich the department and school community and who can serve as a role model to a diverse student population.

### Salary:

Based on experience, education, and expertise.

#### **Basic Qualifications:**

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

and graduate levels. The full-time teaching load is nominally seven quarter-level courses per academic year (each quarter is 10 weeks excluding the final exams week), but a one course release is given to faculty actively involved in research and course credit is also given for project, thesis, and laboratory supervision. The first year tenure-track assistant professor is granted an additional one course release. Limited course buyout may be approved using external grant funds.

#### **Responsibilities:**

Teaching undergraduate and graduate courses in areas of specialization, and courses of a fundamental/core nature, and fulfilling all responsibilities related to those courses.

The standard academic year course load for tenured and tenure-track positions is seven quarter-level course equivalents, generally with a one-course equivalent reduction for scholarly or creative work. The first year tenure-track assistant professor is granted an additional one course release.

Course equivalents include lectures and supervision of labs, theses, dissertations, and projects, distributed across three quarters of 10 weeks each.

Developing a research program that leads to high-quality publications, competitive for funding by external sources, and engages students as participants in that research.

Appropriate service to the department, school, university, and profession.

Start Date: 09/01/2022



#### **Work Authorization:**

A foreign national who is appointed to a tenured or tenure-track faculty position is eligible for sponsorship by Santa Clara University.

**Posting Detail Information:** 

Open Date: 08/20/2021

**Close Date:** 

Open Until Filled: Yes

### **Special Instructions to Applicants:**

Applicants should upload a letter of application, a detailed CV, and the names and contact information of three professional references.

All letters of application MUST include statements of research interests, statements of teaching interests, and statements of equity, diversity, and inclusion. An equity, diversity, and inclusion (EDI) statement describes past, present, and planned contributions to equity, diversity, and/or inclusion in engineering or other areas. All materials should be submitted online at <a href="https://wdl.myworkdaysite.com/en-US/recruiting/scu/scu/job/Santa-Clara-CA/Tenure-Track-Assistant-Professor-of-Computer-Science-and-Engineering\_R1639">https://wdl.myworkdaysite.com/en-US/recruiting/scu/scu/job/Santa-Clara-CA/Tenure-Track-Assistant-Professor-of-Computer-Science-and-Engineering\_R1639</a>

Complete application packets received by December 5, 2021 will receive full consideration. However, the position will remain open until filled.

#### **About Santa Clara University:**

Santa Clara University is a comprehensive Jesuit, Catholic university located in California's Silicon Valley, offering its 8,800 students with rigorous undergraduate curricula in arts and sciences, business, and engineering, plus graduate degrees (master's, Ph.D., and law degrees) in six disciplines.

Distinguished by the highest retention rate and ranked among the top 15 percent of national universities by U.S. News & World Report, Santa Clara University is California's oldest operating institution of higher-education. The University is focused on creating an academic community that educates citizens and leaders who will build a more just, humane, and sustainable world.

#### **EEO Statement:**

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.

### **Required Documents:**

- 1. Letter of Interest, with statements of research interests, statements of teaching interests, and statements of equity, diversity and inclusion
- 2. Curriculum Vitae
- 3. First Professional Reference Contact Information
- 4. Second Professional Reference Contact Information
- 5. Third Professional Reference Contact Information

#### References:

Accept References? Yes
Minimum Number of References 3
Maximum Number of References 3

## **Simon Fraser University**

Tenure-track Faculty Positions, School of Computing Science

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



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

SFU School of Computing Science has consistently been ranked among the top computer science departments in Canada and internationally. The School currently has 65 faculty members, 400 Ph.D. and M.Sc. students, and 2,000 undergraduate majors. SFU is located in Metro Vancouver, one of the most livable cities in the world.

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

### http://www.sfu.ca/computing/about/jobopportunities.html

Full consideration will be given to applications received by December 1, 2021. Applications received after this deadline may be reviewed as far as the positions are still open. The positions are subject to availability of funding and approval by the SFU Board of Governors. Any inquiries regarding this posting may be directed to <code>cs\_faculty\_affairs@sfu.ca</code>.

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

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

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

http://www.sfu.ca/vpacademic/Faculty\_ Openings/Collection\_Notice.html

### St. Lawrence University

Computer Science - Assistant Professor

St. Lawrence University invites applications for a tenure-track position in Computer Science at the Assistant Professor level within the Department of Mathematics, Computer Science, and Statistics, to begin August 2022. CS faculty at St. Lawrence support undergraduate majors in Computer Science and Data Science by teaching three courses each semester, ranging from introductory programming to senior-level electives.

To view the complete job description, including minimum qualifications required, as well as application instructions please visit: http://employment.stlawu.edu.

All offers of employment are contingent upon the finalist successfully passing a background (including criminal records) check.

Located at 23 Romoda Drive, Canton, NY, St.

Lawrence University is an Affirmative Action/

Equal Employment Opportunity employer. For additional information about St. Lawrence, please visit SLU's homepage at *http://www.stlawu.edu/*.

### **Stanford University**

Department of Computer Science Faculty Openings

The Department of Computer Science at Stanford University invites applications for tenure track faculty positions at the junior level (Assistant or untenured Associate Professor). We give higher priority to the overall originality and promise of the candidate's work than to the candidate's sub-area of specialization within Computer Science.

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



#### **Application Requirements:**

All applications should include a curriculum vita, list of publications, and brief (3 page total, combined, including references) statements of research and teaching interests. The Computer Science Department, School of Engineering, and Stanford University value faculty who are committed to advancing diversity, equity, and inclusion. Candidates may optionally include as part of their research or teaching statement a brief discussion of how their work will further these ideals

Applicants should submit the names and contact information of at least four references.

### Please apply online at https://www. applyweb.com/cgi-bin/app?s=STANFAC. You will need to create a CollegeNet account

if you do not already have one. Questions should be directed to, Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to search@cs.stanford.edu.

The review of applications will begin on December 6, 2021, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until February 4, 2022.

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

### Stanford University

#### Stanford Data Science

### Tenure-track Faculty Position - SoE

Stanford Data Science (https://datascience.stanford.edu/) and the School of Engineering (https://engineering.stanford.edu/) at Stanford University invite applications for a tenure-track appointment at the assistant professor or untenured associate professor level in the School of Engineering. The primary departmental home of the appointee will be in one of the departments in the School of Engineering (https://engineering.stanford.edu/faculty-research/departments).



Linda A. Cicero / Stanford News Service

The successful candidate will be expected to contribute creatively and in depth to data science through research, teaching, and student mentorship. We welcome candidates engaged in all aspects of data science and applications in one or more engineering disciplines. Ideal candidates will demonstrate strong communication and leadership skills, and will be able to actively contribute to Stanford Data Science and their home department(s)

Stanford Data Science, the School of Engineering and Stanford University value faculty who are committed to advancing diversity, equity, and inclusion. Candidates may optionally include a diversity statement including a brief discussion of how their research, teaching and mentorship will further these ideals.

The Stanford community also values transparency and openness in science and encourages candidates to provide in their research statement a description of how these values are reflected in their work to date and their future research plans.

Applicants should submit a 1-page cover letter, CV, a statement of research and teaching (3 pages in total)- including accomplishments and plans, 1-page diversity statement (recommended), 2 representative publications, and names of at least 3 references. All materials should be submitted online at https://www.applyweb.com/cgi-bin/app?s=STANFAC. The search committee will begin reviewing applications on November 15, 2021, and the search will remain open until the position is filled.

If you have questions regarding this opening or require assistance with the online application system, please contact the Faculty Search Administrator at SDSSoEfacultysearch@stanford.edu.

Required Application Material:

- 1-page cover letter,
- CV.
- a statement of research and teaching (3 pages in total)- including accomplishments and plans,
- 1-page diversity statement (recommended),
- 2 representative publications, and
- names of at least 3 references

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

## **Stanford University**

Faculty Positions in Operations, Information, and Technology

The Operations, Information and Technology (OIT) area at the Graduate School of Business, Stanford University, is seeking qualified applicants for full-time, tenure-track positions,

starting September 1, 2022. All ranks and relevant disciplines will be considered. Applicants are considered in all areas of Operations, Information and Technology (OIT), including the management of service and manufacturing systems, supply and transportation networks, information systems/technology, energy systems, and



other systems wherein people interact with technology, markets, and the environment. Applicants are expected to have rigorous training in management science, operations research, engineering, computer science, economics, and/or statistical modeling methodologies. Candidates with strong empirical training in economics, behavioral science or computer science are encouraged to apply. The appointed will be expected to do innovative research in the OIT field, to participate in the school's Ph.D. program, and to teach both required and elective courses in the MBA program. Junior applicants should have or expect to complete a Ph.D. by September 1, 2022.

Applicants should submit their applications electronically by visiting the website *http://www.gsb.stanford.edu/recruiting* and uploading their curriculum vitae, research papers and publications, and teaching evaluations, if applicable, on that site.

Applications will be accepted until November 30, 2021. For an application to be considered complete, the applicant must submit a CV and job market paper and arrange for three letters of recommendation to be submitted before the application deadline of November 30, 2021.

The Stanford Graduate School of Business will not conduct interviews at the INFORMS meeting in Anaheim, but some OIT faculty members will attend. Hence candidates who will be presenting at INFORMS are encouraged to submit their CV, a research abstract, and any supporting information before October 11, 2021.

Any questions regarding the application process should be sent by email to *Faculty\_Recruiter@gsb.stanford.edu*.

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

### **Stanford University**

Department of Management Science and Engineering

Faculty Opening at the Assistant or untenured Associate Professor level

Inviting applications from individuals working at the Frontiers of Management Science and Engineering, including candidates from engineering and mathematics, as well as from the behavioral and social sciences.

Apply online at: https://msande.stanford. edu/about/jobs/faculty-openings-mse where full text of search ad is available. Review of applications begins September 15, 2021 and will be accepted until position is filled

### **Swarthmore College**

Assistant Professor of Computer Science

#### **Description**

The Department of Computer Science at Swarthmore College invites applications for a tenure-track position at the rank of Assistant Professor to begin Fall semester 2022. Applicants must have a Ph.D. in Computer Science, or expected by Fall 2022. All areas of computer science will be considered, though we are especially interested in areas that complement our existing offerings, including systems areas, algorithms, theory, and interdisciplinary research in the humanities and social sciences. The typical teaching load is two courses and three affiliated lab sections per year split between introductory/intermediate courses and upper-level courses. Swarthmore College offers competitive start-up packages to support faculty research and teaching, funds for travel to professional meetings, summer support of undergraduate research collaborators, and a generous sabbatical policy.

The Department of Computer Science currently has ten tenure-track faculty and five visiting faculty. Faculty teach both introductory courses and advanced courses in their research areas. Our majors and minors are much more diverse than the national averages in CS and 35% of our majors are women. We have grown significantly in both faculty and students in the last five years. Presently, we are one of the most popular majors at the College and we expect that 15% of students (66 total) graduating from the College in the 2021-22 academic year will be Computer Science majors.

Located in the suburbs of Philadelphia and near Wilmington DE, Swarthmore College is a highly selective liberal arts college whose mission combines academic rigor with social responsibility. Swarthmore



has a strong institutional commitment to diversity, and actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world. Applicants from traditionally underrepresented groups are strongly encouraged to apply. For more information on Faculty Diversity and Excellence at Swarthmore, see <a href="http://www.swarthmore.edu/faculty-diversity-excellence/">http://www.swarthmore.edu/faculty-diversity-excellence/</a> information-candidates-new-faculty

#### **Qualifications**

Applicants must have a Ph.D. in Computer Science or expected by Fall 2022. Applicants strong in any area of computer science will be considered.

#### **Application Instructions**

Applicants should apply via Interfolio apply. interfolio.com/95027. Applicants should include a brief cover letter describing their interest in Swarthmore College, a curriculum vitae, teaching and research statements. and three letters of recommendation. The teaching statement should describe the applicant's interests in teaching at an undergraduate institution, previous teaching experience, and approach to teaching and mentoring students from diverse backgrounds. The research statement should describe the applicant's program of research (including research interests, recent and current research. and anticipated areas for future work) and its potential to engage undergraduate students. Relevant experience mentoring students on empirical research should be described in the teaching and/or research statement. At least one letter of recommendation should comment specifically on teaching. Applications will not

be considered until letters of recommendation have been submitted. Please address any questions you may have to Kathy Reinersmann at *kreinerl@swarthmore.edu*.

All applications received by 15 November 2021 will receive full consideration, and review of applications will continue until the position is filled.

#### **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, including confidential letters of recommendation, free of charge.

### **Equal Employment Opportunity Statement**

Swarthmore College actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world. Swarthmore College is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

## **Temple University**

Department of Computer and Information Sciences

Faculty Positions (Assistant/Associate/ Full Professor)

The Department of Computer and Information Sciences at Temple University invites applications for tenure-track faculty positions. We seek candidates whose expertise complements and expands existing departmental strengths in data science, computer systems, theory, and interdisciplinary research. We will consider

candidates in all areas of computer science and at all ranks. We are particularly interested in candidates whose research focuses on data science, machine learning, security, and human-centered computing. Successful candidates are expected to have an outstanding research track record commensurate with their rank, and a commitment to excellence in undergraduate and graduate education.

Temple University is a Carnegie R1 (highest research activity) institution that serves more than 35.000 students and is ranked #46 among top public universities by the U.S. News & World Report. Located in the heart of Philadelphia, a city known for arts, culture, history and affordable living, Temple University is in close proximity to many outstanding research centers and industry partners in information technology, healthcare, biotechnology, and finance. Housed within the College of Science and Technology, the Department of Computer and Information Sciences serves over 1,200 undergraduate majors and graduate students, with academic programs that prepare students to solve challenging, interdisciplinary problems that impact society. Faculty within the department are provided with institutional support, including highly competitive salaries, startup packages, and low teaching loads, to establish a world-class research program. The department is committed to fostering a diverse, equitable, and inclusive departmental community, and is the headquarters of a national alliance for broadening participation of students and faculty from groups that have been historically excluded in computing.



# Applications should be submitted electronically at:

https://academicjobsonline.org/ajo/ jobs/19987

Submitted materials should include a curriculum vitae, a research statement with a description of research accomplishments, a teaching statement, and three letters of recommendation (names of referees are sufficient for senior-level candidates).

Review of applications will begin on December 1, 2021 and continue until the positions are filled.

For more information, send an email to *cisfacultysearch@temple.edu*, with "TT Position" as the subject.

Temple University is an affirmative action/ equal opportunity employer with a strong commitment to the quality of faculty life. COVID-19 vaccinations are required for employment at Temple University unless granted a religious or medical exemption (see www.temple.edu/coronavirus).

## **Texas A&M University**

Assistant Research Scientist, Data Science

The Texas A&M Institute of Data Science (TAMIDS) is hiring an Assistant Research Scientist to join our Data Science team. We're seeking someone with experience, skills, and initiative to develop new collaborations in Data Science with operational and academic units, provide consultancy and training, embody their ideas through software tools, and mentor student participation. The position should appeal to someone with a

broad set of Data Science skills who enjoys harnessing state-of-the-art methods and systems to have practical impact.

See the TAMU jobs website for further details and how to apply: https://
tamus.wd1.myworkdayjobs.com/en-US/
TAMU\_External/job/College-Station-TAMU/
Assistant-Research-Scientist R-041594

### Texas A&M University

Faculty Positions Available

The Department of Statistics at Texas A&M University anticipates multiple tenuretrack Assistant Professor positions to begin in August 2022. All positions will be full-time, 9-month appointments. Completion of all requirements for a PhD/ DSc degree in Statistics or a related field prior to beginning employment is required. The department encourages persons from all areas of research to apply, and is particularly interested in expertise in the broad area of data science. Evidence of interdisciplinary research and focus on computational aspects is a plus. In addition to conducting outstanding research, the successful candidate will be expected to teach undergraduate and graduate courses and supervise graduate students. Excellent computing facilities are available, and highly competitive startup funding and starting salaries are anticipated.

The Department of Statistics has a tradition of outstanding methodological, theoretical, computational, and interdisciplinary research. Current faculty members actively collaborate with colleagues within the

department, throughout the university, and at many outside institutions. Texas A&M University has a partner placement program and is responsive to the particular needs of dual career couples. Interested applicants should include a current CV, teaching and research statements, and at least three letters of recommendation.

To apply, please visit https://apply. interfolio.com/92570.

All applications received by October 22, 2021 will receive full consideration, but applications will continue to be accepted until all positions are filled. Please direct all inquiries to Dr. Matthias Katzfuss, Search Committee Chair at hiring@stat.tamu.edu.

### Texas A&M University

Academic Professional Track Faculty
Position & Director

The Department of Computer Science and Engineering at Texas A&M University at Galveston invites applications for an Academic Professional Track (nontenure): Open Rank & Director position. We are considering applicants at the assistant lecturer, lecturer, senior lecturer, instructional assistant professor. instructional associate professor, instructional professor, associate professor of practice, professor of practice, with teaching expertise in computer science or computer engineering. This academic appointment, with the possibility of a summer appointment contingent upon the need and availability of funds, is expected to begin summer of 2022. The



successful applicant will teach primarily at the undergraduate level to support the development of the undergraduate program; advise and mentor undergraduate students; participate in all aspects of the department's activities, and serve the profession. Applicants will be responsible for the organization, delivery, evaluation, and assessment of the computer science and engineering courses and student outcomes associated with these courses at Texas A&M University at Galveston. Strong written and verbal communication skills are required. Program management experience in an academic setting is required. Along with teaching duties, the Director will provide leadership and support to the Department of Computer Science and Engineering site location on the Galveston campus. Applicants should consult the department's website to review our academic and research programs (https:// engineering.tamu.edu/cse) and consult the Engineering at Galveston website to review the college programs (https:// engineering.tamu.edu/admissions-andaid/engineering-at-galveston/index.html).

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 15 departments in the College of Engineering. Academic professional track (APT) positions provide long-term career paths with opportunities for advancement. With an average time in service of eight years for our APT faculty, CSE prides itself on offering an engaging, collegial, and collaborative culture in the area of teaching, curriculum development, and service. We are committed to hiring outstanding teachers

who can introduce new and innovative teaching pedagogies. The department provides its 1,300+ (sophomore to senior level) undergraduate students with the highest quality of education in computer science and computer engineering. This commitment to instruction produces versatile students with a strong education and technical training, allowing them to be competitive in the job market or prepared for advanced studies in graduate school. Texas A&M University at Galveston is an ocean-oriented branch campus of Texas A&M University, which educates nearly 2,300 undergraduate and graduate students. Ideally located in Galveston, Texas, on the Gulf Coast, surrounded by the industry, environment, and programs essential to fulfilling its special-purpose mission. There are multiple College of Engineering programs on the Galveston campus. Students who choose to student engineering at the Texas A&M Galveston campus are Texas A&M engineering students enrolled in Texas A&M engineering courses taught by Texas A&M engineering faculty.

For appointments at Associate Professor of the Practice or Professor of the Practice level, applicants must have, at the minimum, an earned master's level degree or at least 18 graduate credit hours in the teaching discipline for the professor of practice level titles. We will also consider applicants with a bachelor's degree and significant professional experience.

For appointments at Assistant Lecturer, Lecturer, Senior Lecturer, Instructional Assistant Professor, Instructional Associate Professor, or Instructional Professor level. applicants must have a masters or doctoral degree in a closely related engineering or science discipline.

Applicants should submit a cover letter, curriculum vitae, teaching statement, diversity statement, and a list of three references (including email addresses) by applying for this specific position at <a href="http://apply.interfolio.com/93794">http://apply.interfolio.com/93794</a>.

The review process will begin immediately. Priority consideration will be given to applications received by January 4, 2022. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin July 1, 2022.

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

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

## Texas A&M University

Academic Professional Track Faculty
Positions

The Department of Computer Science and Engineering at Texas A&M University at Galveston invites applications for two (2) academic professional track (non-tenure) faculty positions at the assistant lecturer,



lecturer, senior lecturer, instructional assistant professor, instructional associate professor, instructional professor, associate professor of practice, professor of practice, visiting assistant professor, visiting associate professor, and visiting professor levels with teaching expertise in computer science or computer engineering. The successful applicants will teach primarily at the undergraduate level to support the development of the undergraduate program; advise and mentor undergraduate students; participate in all aspects of the department's activities, and serve the profession. Applicants will be responsible for the organization, delivery, evaluation, and assessment of the computer science and engineering courses and student outcomes associated with these courses at Texas A&M University at Galveston. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs (https:// engineering.tamu.edu/cse) and consult the Engineering at Galveston website to review the college programs (https:// engineering.tamu.edu/admissions-andaid/engineering-at-galveston/index.html).

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 15 departments in the College of Engineering. Academic professional track (APT) positions provide long-term career paths with opportunities for advancement. With an average time in service of eight years for our APT faculty, CSE prides itself on offering an engaging, collegial, and collaborative culture in the area of teaching,

curriculum development, and service. We are committed to hiring outstanding teachers who can introduce new and innovative teaching pedagogies. The department provides its 1,300+ (sophomore to senior level) undergraduate students with the highest quality of education in computer science and computer engineering. This commitment to instruction produces versatile students with a strong education and technical training, allowing them to be competitive in the job market or prepared for advanced studies in graduate school. Texas A&M University at Galveston is an ocean-oriented branch campus of Texas A&M University, which educates nearly 2,300 undergraduate and graduate students. Ideally located in Galveston. Texas. on the Gulf Coast. surrounded by the industry, environment, and programs essential to fulfilling its specialpurpose mission. There are multiple College of Engineering programs on the Galveston campus. Students who choose to student engineering at the Texas A&M Galveston campus are Texas A&M engineering students enrolled in Texas A&M engineering courses taught by Texas A&M engineering faculty.

For appointments at Associate Professor of the Practice or Professor of the Practice level, applicants must have, at the minimum, an earned master's level degree or at least 18 graduate credit hours in the teaching discipline for professor of practice level titles. We will also consider applicants with a bachelor's degree and significant professional experience.

For appointments at Assistant Lecturer, Lecturer, Senior Lecturer, Instructional Assistant Professor, Instructional Associate Professor, or Instructional Professor level, applicants must have a masters or doctoral degree in a closely related engineering or science discipline.

For appointments at the Visiting Assistant Professor, Visiting Associate Professor, and Visiting Professor level, applicants must have a doctoral degree in a closely related engineering or science discipline.

Applicants should submit a cover letter, curriculum vitae, teaching statement, diversity statement, and a list of three references (including email addresses) by applying for this specific position at <a href="http://apply.interfolio.com/93753">http://apply.interfolio.com/93753</a>.

The review process will begin immediately. Priority consideration will be given to applications received by January 4, 2022. Applications received after that date may be considered until positions are filled. It is anticipated the appointments will begin July 2022 or September 2022.

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

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



## **Texas A&M University**

CSE @ TAMU Multiple Faculty Positions

The Department of Computer Science and Engineering at Texas A&M University invites applications for multiple full-time tenured or tenure-track positions with 9-month academic appointments and the possibility of additional summer appointments contingent upon need and availability of funds, beginning fall of 2022. Applicants will be considered for the faculty titles of assistant, associate, and full professor levels, depending on qualifications. Areas of computer science of interest include but are not limited to artificial intelligence, computer science education, cybersecurity, data science, human-centered computing, robotics, software, systems, and theory. Strong candidates in multi-disciplinary or emerging areas of computing are also encouraged to apply.

The successful applicant will be required to teach; advise and mentor graduate students; develop an independent, externally funded research program; participate in all aspects of the department's activities; serve the profession.

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 15 departments in the College of Engineering. Many of the 48 tenured/tenure-track faculty and 18 teaching-focused faculty hold 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. CSE faculty have strong collaborations with the Center for Remote Health Technologies and Systems, Institute of Data Science, Cybersecurity Center, and Bush Combat Development Complex. Our student population is comprised of over 1,300 undergraduate students (sophomore to senior level) and nearly 400 graduate students. The department just moved to the newly renovated Peterson Building, with airy modern offices, conference rooms, and lounges, and equipped with state-of-the-art A/V technology. More information about CSE is available at <a href="http://www.cse.tomu.edu">http://www.cse.tomu.edu</a>.

Applicants must have an earned doctorate in computer science, computer engineering, or a closely related field. Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and a list of three references (including email addresses) by applying for this specific position at

http://apply.interfolio.com/95644.

The review process will begin immediately. Priority consideration will be given to applications received by November 15, 2021.

Applications received after that date may be considered until positions are filled. It is anticipated the appointments will begin Fall 2022.

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

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

### **Texas State University**

Multiple Open Faculty Positions

The Department of Computer Science invites applications for three tenure-track Assistant or Associate Professor positions and one Lecturer or Senior Lecturer position to start on September 1, 2022, subject to availability of funds. Consult the department's employment page at <a href="https://cs.txstate.edu/employment/faculty/">https://cs.txstate.edu/employment/faculty/</a> for additional information and to apply.

Texas State University is an Equal Employment Opportunity/Affirmative Action Employer, committed to inclusive thought and action in support of our diverse community. Individuals from historically underrepresented groups and all those who share our commitment to inclusivity and passion for the strength of our diversity are strongly encouraged to apply.

Employment with Texas State University is contingent upon the outcome of record checks and verifications including criminal history, driving records, education records, employment verifications, reference checks, and employment eligibility verifications.

Texas State University is a tobacco-free campus. Smoking and the use of any tobacco product will not be allowed anywhere on Texas State property or in university owned or leased vehicles.



Texas State University is a member of the Texas State University System.

### **Tufts University**

Multiple Open Faculty Positions

The Department of Computer Science at Tufts University invites applications for multiple open faculty positions. For more information about the department or these positions, please visit http://go.tufts.edu/CSpositions. Women, African American/Black, Hispanic/Latino(a), Native American/Alaska Native candidates, and those from other marginalized groups are welcome and strongly encouraged to apply. Throughout their application, all candidates are encouraged to demonstrate their attention to diversity and inclusion as these topics relate to teaching, research (as applicable), and engagement within the academic environment.

Tenure-track faculty positions in Security and AI starting Fall 2022. We seek candidates for multiple tenure-track faculty positions at the rank of Assistant or Associate Professor. We are especially interested in candidates with research in Security, particularly Systems Security, Network Security, and Real-World or Applied Cryptography; and candidates in Artificial Intelligence, particularly Cognitive Systems, Common Sense Reasoning, Natural Language Understanding, Machine Vision, and Human-Al Interaction. Exceptional candidates in other areas will be considered as well, including mid-career candidates with strong academic leadership potential. Submit your application at https://apply.interfolio.com/92330.

Review of applications will begin December 15, 2021 and will continue until the position is filled. Send inquiries to *ttsearch@cs.tufts.edu*.

Teaching-track faculty position starting Spring or Fall 2022. We seek candidates at the rank of Assistant or Associate Teaching Professor. Candidates are expected to have strong foundational knowledge in one or more areas of our core curriculum, including Data Structures, Algorithms, Operating Systems, Programming Languages, and Computation Theory. This is a full-time, non-tenure-track position. The initial appointment is for two years, with possible renewal contingent on annual performance review results. A doctoral degree is preferred but not required. Submit your application at https://apply.interfolio. com/92332. Applications are due December 15, 2021, but review of applications will begin October 15, 2021 and continue until the position is filled. Send inquiries to cssearch@cs.tufts.edu.

Adjunct faculty positions. We conduct an ongoing search for qualified part-time lecturers for in-person and online courses. Submit your application at https://apply.interfolio.com/89783.

About Tufts. The Tufts CS department has grown significantly in the past decade in faculty, student size, and research funding. Tufts offers the best of a liberal arts college atmosphere coupled with the intellectual and technological resources of an R1 research university. We support and encourage a culture of interdisciplinary research, and there are numerous such opportunities within the university. Located only six miles

from historic downtown Boston, faculty members on the Tufts Medford/Somerville campus have extensive opportunities for academic and industrial collaboration outside of Tufts as well as participation in the rich intellectual life of the area.

Tufts University is an Equal Opportunity/ Affirmative Action Employer. We are committed to increasing the diversity of our faculty and staff and fostering their success when hired. Members of underrepresented groups are welcome and strongly encouraged to apply. See the University's Non-Discrimination statement and policy at https://oeo.tufts.edu/policies-procedures/ *non-discrimination/*. If you are an applicant with a disability who is unable to use our online tools to search and apply for jobs, please contact us by calling Johny Laine in the Office of Equal Opportunity (OEO) at 617-627-3298 or at Johny.Laine@tufts.edu. Applicants can learn more about requesting reasonable accommodations at http://oeo. tufts.edu.

## **Tulane University**

Faculty Positions in Computer Science at Tulane: Yahoo! Founder Chair, Assistant Professor, Professor of Practice

The Department of Computer Science at Tulane University invites applications for faculty positions at multiple levels beginning in Fall 2022: The Yahoo! Founder Chair, Assistant Professor, and Professor of Practice. We welcome and encourage applications from members of underrepresented groups. Our friendly, collaborative, and growing department



currently has 9 tenure-track/tenured faculty and two Professors of Practice, and we anticipate reaching 15 faculty within 2-3 years. We take pride in focusing equally on both computer science and interdisciplinary applications; our current faculty are engaged in collaborative research with colleagues in the School of Science and Engineering, the School of Liberal Arts, and the Health Sciences. More information about the department, its faculty, its research areas, and its undergraduate and graduate programs can be found at <a href="https://ssetulane.edu/cs">https://ssetulane.edu/cs</a>.

#### Yahoo! Founder Chair

We encourage applications from senior colleagues whose research is related to data science, broadly understood. The successful candidate for this pivotal appointment will provide leadership by enhancing existing research collaborations and establishing new ones within the Department of Computer Science, within the School of Science and Engineering, and across other Tulane schools, centers and institutes. The successful candidate will have excellent research credentials nationally and internationally, a record of substantial research funding, experience leading multidisciplinary research projects, a record of excellent teaching at the undergraduate and PhD levels, and a demonstrated commitment to diversity, equity, and inclusion.

### **Assistant Professor**

The department is looking to expand expertise in areas not currently represented in the department, with a focus on systems and data intensive computing. Areas of interest include, but are not limited to, computer and network systems, cloud

computing, IoT as well as databases, visualization, HCl. We especially encourage applications from colleagues who have had a postdoctoral experience establishing their research program. This position is subject to final administrative approval.

#### **Professor of Practice**

Tulane Professors of Practice are faculty who design, enhance, and teach primarily undergraduate courses, and provide departmental and university service. Their term appointments are renewable every three years (initially) and every five years after promotion to Senior Professor of Practice. The typical teaching load is three courses per semester (two preps); with undergraduate teaching assistants and graduate lab instructors available. Tulane recognizes and rewards innovative and quality teaching.

Candidates interested in creating and adopting pedagogical innovations, conducting scholarly activity in computer science education, or developing original elective courses will find many opportunities and support to pursue their interests. The successful candidate will have a record of excellent teaching and mentoring at the undergraduate level, and commitment to student-centered teaching and to increasing diversity in computing. This position is subject to final administrative approval.

#### **Application Instructions**

Review of applications for all positions will begin January 1, 2022, and will continue until the positions are filled.

**Yahoo! Founder Chair:** Potential candidates for this position are encouraged to contact Professor Carola Wenk, chair of

the department, at *cwenk@tulane.edu* about their candidacy. Please submit a CV, statements on research and teaching, and at least three letters of recommendation at *applyinterfolio.com/89722* 

Assistant Professor: Please submit a CV, statements on research and teaching, and at least three letters of recommendation at apply.interfolio.com/96269

**Professor of Practice:** Please submit a CV, a teaching statement including teaching evaluations, and at least three letters of recommendation that address teaching at *apply.interfolio.com/96257* 

Tulane University is located in New Orleans - a city with tremendous history of diverse cultures, community, and languages. Tulane is actively building a campus culture grounded in our values of EDI and *anti-racism*. We seek and welcome candidate applications from historically underrepresented groups, such as BIPOC (Black, Indigenous, People of Color), women, LGBTQ+, and those living with disabilities as well as veterans.

Tulane University is an Equal Employment
Opportunity/Affirmative Action institution
committed to excellence through diversity.
Tulane University will not discriminate based
upon race, ethnicity, color, sex, religion,
national origin, age, disability, genetic
information, sexual orientation, gender
identity or expression, pregnancy, marital
status, military or veteran status, or any other
status or classification protected by federal,
state, or local law. All eligible candidates are
encouraged to apply.







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

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

### **About TTIC**

TTIC is a philanthropically endowed academic institute dedicated to fundamental research and graduate education in computer science. The Insitute produces cutting-edge research and offers world-class graduate education. Our faculty routinely publish their results at top conferences and are recognized with prominent distinctions.

Our faculty members enjoy a uniquely light teaching load, which helps them focus on their research. TTIC has only PhD students, so all courses and activities are focused on advanced learning and research. Located on the University of Chicago campus, TTIC has a strong working relationship with U of C.

### The RAP Role

The RAP position is a three-year position, with a salary and a discretionary research budget paid from TTIC's endowment. Learn more at ttic.edu/research-assistant-professor/.

### Learn More

To learn more about opportunities at TTIC, please visit the full-text ads under both "professional" and "postdoctoral" job types in the CRA jobs site, and visit TTIC's faculty hiring page: <a href="mailto:ttic.edu/faculty-hiring/">ttic.edu/faculty-hiring/</a>

6045 South Kenwood Ave | Chicago, IL 60637 www.ttic.edu | @ttic\_connect



### **U.S. Naval Academy**

Tenure Track Assistant Professor of Computer Science

The U.S. Naval Academy's Computer Science Department invites applications for a tenure track position at the rank of Assistant Professor, to begin late July 2022. A Ph.D. in Computer Science, Data Science, or closely related field is required. Applications are encouraged from all relevant topical areas.

The Naval Academy features a diverse set of students representing every part of the United States and a number of other countries, drawn together by a desire to serve in their future careers.

As part of this culture, the Computer Science Department is committed to recruiting and supporting a diverse and inclusive faculty. We therefore encourage qualified applicants from all backgrounds to apply for consideration.

Applicants must have a dedication to teaching at the undergraduate level and a strong research program. Note that no military background is needed as this is a civilian faculty position.

The department offers a Computer Science major (with 150 current students), and also leads a new interdisciplinary major in Data Science. We currently have a faculty of 16. The successful applicant can expect small class sizes (typically 10-20 students), a highly collaborative and collegial department, numerous opportunities for internal and external research collaboration, competitive compensation (including 10 months salary plus support for possible

internal and external sources of summer salary), and excellent federal benefits.

See https://www.usna.edu/HRO/jobinfo/ Tenure-track-CompSci-AY22.php for more details and application requirements. U.S. Citizenship is required.

Initial review of applications will begin on November 1, 2021 and continue until the position is filled.

### **University at Buffalo**

Assistant Professor of Teaching

The Department of Computer Science and Engineering (CSE) at University at Buffalo (UB) invites candidates to apply for the position of Assistant Professor of Teaching (Lecturer). We are particularly looking for candidates who can operate effectively in a team environment and in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

Duties include teaching and development of computer science and computer engineering courses at both the undergraduate and graduate level; service which may include student advisement at the undergraduate level; industry internships; laboratory and instrumentation upgrades; student excellence initiatives; ABET objectives; diversity enhancement; and external educational grant support in collaboration with the CSE Undergraduate and Graduate Studies Committees. We are particularly interested in candidates who have a passion for teaching, especially courses in the introductory sequence.

The Department of Computer Science and Engineering (CSE) offers BS degrees in computer science (accredited by the Computing Accreditation Commission of ABET, https://www.abet.org), and in computer engineering (accredited by the Engineering Accreditation Commission of ABET, https:// www.abet.org), a combined 5-year BS-MS program, a minor in computer science, a Certificate in Data-Intensive Computing, and several joint programs (BS in Computer Science/MBA, BS in Computational Physics, BA in Social Sciences Interdisciplinary -Cognitive Science Concentration, BS in Bioinformatics and Computational Biology - CSE concentration) as well as MS and PhD programs in Computer Science & Engineering.

The University at Buffalo (UB), a member of the prestigious Association of American Universities (AAU), is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 22,000 undergraduates and 10,000 graduate and professional students and 1600 fulltime faculty. The School of Engineering and Applied Sciences has 7,300 students enrolled across 9 academic departments.

Minimum Qualifications: Applicants should have a PhD degree in computer science, computer engineering, or a related field. Degree must be conferred prior to appointment.

Applicants can apply at the following link: https://www.ubjobs.buffalo.edu/postings/30651



### **University at Buffalo**

Assistant Professor of Teaching

The Department of Computer Science and Engineering (CSE) at University at Buffalo (UB) invites candidates to apply for the position of Assistant Professor of Teaching (Lecturer). We are particularly looking for candidates who can operate effectively in a team environment and in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

Duties include teaching and development of computer science and computer engineering courses at both the undergraduate and graduate level; service which may include student advisement at the undergraduate level; industry internships; laboratory and instrumentation upgrades; student excellence initiatives; ABET objectives; diversity enhancement; and external educational grant support in collaboration with the CSE Undergraduate and Graduate Studies Committees. We are particularly interested in candidates who have expertise to teach courses in Computational Biology and Bioinformatics with emphasis on structural proteomics and genomics.

The Department of Computer Science and Engineering (CSE) offers BS degrees in computer science (accredited by the Computing Accreditation Commission of ABET, https://www.abet.org), and in computer engineering (accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org), a combined 5-year BS-MS program, a minor in computer science, a Certificate in Data-Intensive

Computing, and several joint programs (BS in Computer Science/MBA, BS in Computational Physics, BA in Social Sciences Interdisciplinary – Cognitive Science Concentration, BS in Bioinformatics and Computational Biology – CSE concentration) as well as MS and PhD programs in Computer Science & Engineering.

The University at Buffalo (UB), a member of the prestigious Association of American Universities (AAU), is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 22,000 undergraduates and 10,000 graduate and professional students and 1600 fulltime faculty. The School of Engineering and Applied Sciences has 7,300 students enrolled across 9 academic departments.

Minimum Qualifications: Applicants should have a PhD degree in computer science, computer engineering, or a related field. Degree must be conferred prior to appointment.

Applicants can apply at the following link: https://www.ubjobs.buffalo.edu/postings/30656

## **University College London**

2x Lecturer/Associate Professor in Information Security

The Department of Computer Science at University College London (UCL) invites applications for two faculty positions in the area of Information Security. We seek world-class talent; candidates must have an outstanding research track record.

We seek 2 applicants with expertise and experience that complements or builds on our current strengths, including but not limited to, the areas of: human factors in security, systems and network security, machine learning and security, cybercrime, embedded systems security, and software security.

Further information about UCL Computer Science and the Information Security Research Group can be found at <a href="https://www.cs.ucl.ac.uk">www.cs.ucl.ac.uk</a> and <a href="https://www.cs.ucl.ac.uk">sec.cs.ucl.ac.uk</a>.

Candidates may apply through the following URL: https://bit.ly/ucl-infosec-hiring-2021

Deadline: 14 November 2021

# University of Alabama at Birmingham

Assistant/Associate Professor of Computer Science

The Department of Computer Science (CS) at the University of Alabama at Birmingham (UAB) is seeking candidates for a tenure-track or tenured faculty position. While preference is given to candidates at the Assistant Professor rank, highly qualified candidates at Associate Professor will also be considered.

Candidates with expertise in all core CS areas are sought, with preference being given to candidates who could complement and enhance current department strengths in the areas of data science/machine learning/artificial intelligence, and cyber security. UAB has made a significant commitment to both research and teaching in Computer Science. Candidates must



consequently have strong research and teaching credentials. Experience and success in funded research are desirable for junior-level candidates and required for senior-level candidates.

The CS Department at UAB offers Ph.D.. MS, BS, and BA programs. The Department has a strong research focus, and a strong commitment to teaching, service, and outreach. The Department recently moved to a brand-new facility at University Hall, and one of the strategic goals is to grow the Ph.D., MS, and BS significantly over the next several years. Research funding is expanding significantly, and the Department has a leadership role in a center focusing on Cyber Security. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work. For additional information about the Department, please visit: https://www.uab. edu/cas/computerscience/

The University of Alabama at Birmingham (UAB) is a comprehensive urban university with the nation's third-largest public hospital, which has rapidly evolved into a world-renowned research university and health care center that ranks in the top ten nationally for student diversity. UAB is a Carnegie Level 1 research university. It has been consistently ranked highly, including being named the 2018 and 2019 Top Young University in the U.S. (top 10 worldwide, Times Higher Education World University Rankings), America's Best Large Employer (Forbes, 2021), and America's No. 4 Best Employer for Diversity (Forbes 2021). UAB is Alabama's single largest employer and an

engine of revitalization for Birmingham. With a record enrollment of over 22,500 students, over 2,200 full-time faculty members, and a campus covering more than 100 city blocks, UAB is focused on the future of teaching, research, health care, and community service.

Birmingham is the largest city in Alabama, noted for its vibrant music scene, fine dining, warm weather, excellent schools, and a culture embracing diversity within driving distance to Atlanta, Memphis, Nashville, and New Orleans.

The College of Arts and Sciences (CAS) treasures the rich diversity of our student body and we are committed to their success. Members of the CAS community are expected to reflect our value for inclusive excellence in both our work and learning environment as well as in our efforts to serve and engage the community.

A Ph.D. in Computer Science or a closely related field is required. Applications should include a cover letter, a curriculum vitae, a list of publications and scholarly achievements, a statement of future research plans, a statement of teaching experience and philosophy, and contact information for at least three professional references.

Applications and all other materials should be submitted through UAB's portal at PeopleAdmin: https://uab.peopleadmin.com/postings/9604.

Review of candidates will begin on January 10, 2022, and the search will continue until the position is filled.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering

a diverse, equitable, and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of, race, national origin, age, genetic or family medical history, gender, faith, gender identity, and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background check investigation is performed on candidates selected for employment.

# University of Alabama at Birmingham

Director of Center for Cyber Security

The Department of Computer Science (CS) at the University of Alabama at Birmingham (UAB) is seeking candidates for a tenured faculty position who will assume the role of the Director of the Center for Cyber Security. Highly qualified candidates at both Associate Professor and Professor rank will be considered.

Candidates with expertise in all areas of cyber security are sought, with preference being given to those whose research lies in the areas of network security, software security, system security, fair and trustworthy machine learning, and cryptography. Candidates should have an excellent track record in conducting world-class scholarly research in cyber security, including success in competitive research funding. They should also have demonstrated an outstanding track record in teaching at both graduate and undergraduate levels and successful supervision of Ph.D. students. In addition, candidates must have



an excellent track record in collaborations with not only academic peers but also partners from industries and governments. Further, candidates are expected to have demonstrated an outstanding track record in leadership for scholarly research.

The CS Department at UAB offers Ph.D., MS, BS, and BA programs. The Department has a strong research focus, and a strong commitment to teaching, service, and outreach. The Department recently moved to a brand-new facility at University Hall, and one of the strategic goals is to grow the Ph.D., MS, and BS significantly over the next several years. Research funding is expanding significantly, and the Department plays a leadership role in the Center for Cyber Security. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work. For additional information about the Department, please visit: https://www.uab.edu/cas/ computerscience/.

The University of Alabama at Birmingham (UAB) is a comprehensive urban university with the nation's third-largest public hospital, which has rapidly evolved into a world-renowned research university and health care center that ranks in the top ten nationally for student diversity. UAB is a Carnegie Level 1 research university. It has been consistently ranked highly, including being named the 2018 and 2019 Top Young University in the U.S. (top 10 worldwide, Times Higher Education World University Rankings), America's Best Large Employer (Forbes, 2021), and America's No. 4 Best Employer for Diversity (Forbes 2021). UAB is Alabama's single largest employer and an

engine of revitalization for Birmingham. With a record enrollment of over 22,500 students, over 2,200 full-time faculty members, and a campus covering more than 100 city blocks, UAB is focused on the future of teaching, research, health care, and community service. Birmingham is the largest city in Alabama, noted for its vibrant music scene, fine dining, warm weather, excellent schools, and a culture embracing diversity within driving distance to Atlanta, Memphis, Nashville, and New Orleans.

The College of Arts and Sciences (CAS) treasures the rich diversity of our student body and we are committed to their success. Members of the CAS community are expected to reflect our value for inclusive excellence in both our work and learning environment as well as in our efforts to serve and engage the community. A Ph.D. in Computer Science or a closely related field is required.

Applications should include a cover letter, a curriculum vitae, a list of publications and scholarly achievements, a statement of future research plans, a statement of teaching experience and philosophy, and contact information for at least three professional references. Applications and all other materials should be submitted through UAB's portal at People Admin: https://uab.peopleadmin.com/postings/9605

Review of candidates will begin on January 10, 2022, and the search will continue until the position is filled.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable, and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity, and expression as well as sexual orientation.

UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background investigation is performed on candidates selected for employment. The College of Arts and Sciences (CAS) treasures the rich diversity of our student body and we are committed to their success. Members of the CAS community are expected to reflect our value for inclusive excellence in both our work and learning environment as well as in our efforts to serve and engage the community.

# University of Alabama at Birmingham

Teaching Assistant Professor/Instructor

The Department of Computer Science (CS) at the University of Alabama at Birmingham (UAB) is seeking candidates for a non-tenure-track assistant professor or instructor (teaching faculty) position, starting as early as Spring 2022.

Candidates with teaching expertise in all core computer science topics are sought, with preference given to Programming, Algorithms and Data Structures, Computer Architecture, Networking, Systems Programming, Operating Systems, Webbased Application Development and Software Engineering. UAB has made a significant commitment to teaching and teaching innovation in Computer Science. Candidates must consequently have strong teaching credentials preferably in a diverse range of areas and ability to advance the



teaching strengths of the Department, including application of new results in CS education, establishment of new curricula and labs, online teaching, acquisition of educational grants, and participation in accreditation activities, student recruitment and advising.

The CS Department at UAB offers PhD, MS, BA and BS programs. The Department has a strong research focus, and a strong commitment to teaching, service and outreach. The PhD. MS. BA and BS. enrollments are on the rise, with the goal of growing these programs significantly over the next several years. Research and educational funding are expanding significantly, and the Department plays a leadership role in Cyber Security and Data Science/Machine Learning/Al. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work. For additional information about the Department, please visit: https://www.uab. edu/cas/computerscience/.

The University of Alabama at Birmingham (UAB) is a comprehensive urban university with the nation's third-largest public hospital, which has rapidly evolved into a world-renowned research university and health care center that ranks in the top ten nationally for student diversity. UAB is a Carnegie Level 1 research university. It has been consistently ranked highly, including being named the 2018 and 2019 Top Young University in the U.S. (top 10 worldwide, Times Higher Education World University Rankings), America's Best Large Employer (Forbes, 2021), and America's No. 4 Best

Employer for Diversity (Forbes 2021). UAB is Alabama's single largest employer and an engine of revitalization for Birmingham. With a record enrollment of over 22,500 students, over 2,200 full-time faculty members, and a campus covering more than 100 city blocks, UAB is focused on the future of teaching, research, health care, and community service.

Birmingham is the largest city in Alabama, noted for its vibrant music scene, fine dining, warm weather, excellent schools, and a culture embracing diversity within driving distance to Atlanta, Memphis, Nashville, and New Orleans.

The College of Arts and Sciences (CAS) treasures the rich diversity of our student body and we are committed to their success. Members of the CAS community are expected to reflect our value for inclusive excellence in both our work and learning environment as well as in our efforts to serve and engage the community.

The candidate should have at least an MS, and preferably a PhD, degree in Computer Science or a closely related field. Industrial experience is desirable but not required. Applications should include a cover letter, a curriculum vitae, a statement of teaching philosophy, a teaching portfolio with relevant materials (e.g., syllabi, teaching evaluations, homework/projects, teaching innovations), and at least two references. Interested applicants please follow this link to apply: https://uab.peopleadmin.com/postings/9401.

Review of candidates will begin immediately, and the search will continue until the position is filled. Preference will be given to

applications received by October 15th, 2021.

UAB is an Equal Opportunity/Affirmative
Action Employer committed to fostering
a diverse, equitable and family-friendly
environment in which all faculty and staff
can excel and achieve work/life balance
irrespective of, race, national origin, age,
genetic or family medical history, gender,
faith, gender identity and expression as well
as sexual orientation. UAB also encourages
applications from individuals with disabilities
and veterans. A pre-employment background
investigation is performed on candidates
selected for employment.

### **University of Arizona**

Postdoctoral Position in Educational Aspects of Computer Security

We are seeking a postdoctoral scholar to lead the NSF/SaTC/EDU project "LIGERLabs: Educational Modules for (Anti-)Reverse Engineering". The goal of this project is to build lectures, tools, and exercises to improve students' abilities in Reverse Engineering and Anti-Reverse Engineering. The successful candidate will direct graduate and undergraduate students to build open source pedagogical artifacts and generators and auto-graders of reverse engineering exercises. They will also conduct studies of students of different backgrounds in order to build up a schedule of exercises of appropriate complexity. The work will build on previous tools built by our group: *Tigress*, *RevEngE*, and SandMark.

Please apply *here*.



## University of California, Riverside

Tenure Track Faculty Position

The Electrical and Computer Engineering (ECE) department at the University of California, Riverside (UCR) invites applications for tenuretrack faculty positions in: (1) robotics (emphasis on computational aspects of robotics research including robot learning, reasoning, safety, and perception) and/or (2) embedded system design targeted at robotics and autonomous system applications (emphasis on computational efficiency, lower size, weight and power [SWaP], perception integration, real-time operations, security, and robustness). While the search is mainly focused on an Assistant Professor position, more senior candidates with exceptional records will also be considered. Successful candidates will have a proven record of, or exceptional promise for, developing a vibrant externally funded research program, as well as a portfolio of high quality teaching at the undergraduate and graduate levels. They will be expected to support the new cross-cutting robotics efforts undertaken at UCR; for example, the new Robotics MS program - the first of its kind within the University of California system.

Apply at https://aprecruit.ucr.edu/JPF01479.

For more information regarding specific areas of interest and application procedures, please visit http://www.ece.ucr.edu/. Review of applications will begin January 1, 2022 and will continue until the position is filled. Expected start date is July 1, 2022. Salary is commensurate with experience. Advancement through the faculty ranks at the UC is through a series of structured, merit-based



# Assistant Professor - Electrical Engineering & Computer Sciences

The University of California, Berkeley invites applications for approved tenure-track positions in Electrical Engineering and Computer Sciences at the Assistant Professor level. The expected start date for the position is July 1, 2022. For more information about the position, including required qualifications and application materials, please go to: https:// aprecruit.berkeley.edu/JPF03155. The deadline to apply is December 10, 2021. For questions, please contact the Search Committee Chair at eecs-faculty-recruiting@eecs.berkeley.edu. 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.

To Apply, visit: https://apptrkr.com/2532166

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct.

evaluations, occurring every 2-3 years, each including substantial peer input.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. For new University of California employees, the

applicable deadline is eight weeks after their first date of employment.

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

## University of California, Santa Barbara

Assistant Professor - Tenure Track in Computer Engineering

The Department of Electrical and Computer Engineering at the University of California, Santa Barbara is accepting applications



for a tenure-track faculty position at the Assistant Professor level in the broad area of computer engineering with an effective appointment date of July 1, 2022.

### Please visit https://recruit.ap.ucsb.edu/ JPF02058.

The Department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

## University of Central Arkansas

Assistant Professors in Cybersecurity or Data Science

The Department of Computer Science and Engineering at the University of Central Arkansas is seeking candidates for two tenure-track Assistant Professors in Cybersecurity or Data Science beginning in January or August 2022. Currently, the department has 13 full-time faculty and offers BS programs in Computer Science (accredited by the ABET CAC), Computer Engineering, Cybersecurity, and Data Science as well as an MS program in Computer Science.

A doctorate in Computer Science, Computer Engineering, Electrical Engineering, or a related

discipline with a focus on Cybersecurity or Data Science is required by the start date of the position, but candidates nearing completion will also be considered. Candidates specializing in hardware design/applications, who can collaborate with department faculty, are particularly encouraged to apply. The successful candidate will teach in our student-centered undergraduate and graduate programs as well as engage in research and professional service.

Applicants should submit a cover letter, a curriculum vitae, statements of teaching and research, unofficial transcripts, and the contact information for at least three references via <a href="http://jobs.uca.edu/postings/9279">http://jobs.uca.edu/postings/9279</a>.

Review of applications will begin on November 1, 2021, and will continue until the positions are filled.

For questions, contact the department chair at **ecelebi@uca.edu**. Additional information about the department is available at **https://uca.edu/cse**.

UCA is an EO/AA Employer.

## University of Central Florida

Assistant Professor, Computer Science

### **Job Description**

The Department of Computer Science (CS) at the University of Central Florida (UCF) is seeking a 9-month, tenure-earning assistant professor to focus primarily on the broad area of computer architecture and systems. The anticipated start date is August 8, 2022.

The ideal candidate will have a strong background in computer architecture and systems, with a prior publication record in computer architecture venues (e.g., ISCA, HPCA, MICRO, ASPLOS, etc.). Candidates working at the intersection of emerging memory and storage systems, multicore/multiprocessor systems, processor design, operating systems, and/or compilers are highly encouraged to apply. The ideal candidate is expected to have a research impact with an upward trajectory as reflected in high-quality publications and the ability to build a well-funded research program. We are looking for a team player who can complement our existing strengths and efforts in hardware systems research and our educational effort in this domain, with the ability to teach both undergraduate and graduate computer architecture courses.

CS at UCF is home to the first Computer
Science Ph.D. program in Florida. Its 34 tenured
and tenure-track faculty are engaged in
world-class research in HCl, Computer Vision,
Al and Machine Learning, Virtual Reality, Cyber
Security and Privacy, Computer Architecture/
Systems, and many other areas. The
department has both CS and IT undergraduate
degrees accredited by ABET, M.S. degrees in
Computer Science, Digital Forensics, Cyber
Security and Privacy, Data Analytics, Computer
Vision, FinTech, and a Ph.D. program in
Computer Science. For more information see

www.cs.ucf.edu.

### How to apply?

Submit your application via UCF's Online
Recruitment System at https://jobs.ucf.edu/en-us/job/501057/assistant-professor-computer-science. In addition to the online



application, candidates must provide a cover letter, vitae, teaching and research statements, and contact information of three professional references.

Applications review will begin on November 15, 2021 and will continue until filled. Direct all questions to David Mohaisen at *mohaisen@ucfedu*.

UCF's Equal Opportunity Statement can be viewed at: https://www.oie.ucf.edu/documents/PresidentsStatement.pdf.
UCF makes all application materials and selection procedures available to the public upon request.

## University of Central Florida

Associate Professor or Professor, Disability, Aging, and Technology Cluster

### **Job Description**

The University of Central Florida (UCF) has established several interdisciplinary clusters to strengthen its academic offerings and research mission. In support of this effort, we are recruiting a tenured associate professor or professor for the Disability, Aging, and Technology Cluster to function as the cluster lead. This position has an anticipated start date of August 8, 2022.

The successful candidate must demonstrate the ability to secure external funding and create a strategic vision for developing educational programs that link health and wellness interventions with technology applications. A key selection criterion for this position is the desire and ability to act as a bridge between cluster faculty members

in the human and technological sciences in order to build synergistic collaborations across the university. Thus, a strong desire for and track record of leading and working in interdisciplinary teams is preferred.

We are looking for a team player who can help bring together current campus efforts in transdisciplinary engagement in research and education to link health and wellness interventions with technology applications so that effective and feasible health, behavioral, and assistive technologies can be used with diverse populations. The ideal candidate will work at the intersection of several areas, such as a) human-computer interaction and the design and evaluation of sociotechnical systems for health domains; b) robotics and assistive technologies; c) health informatics or data analytics; and d) the intersection of aging or disability research with technologyfocused interventions. They will have research impact, as reflected in high-quality publications, and the ability to build a funded and sustainable research program. All relevant technical areas will be considered.

Candidates must apply online at <a href="https://jobs.ucf.edu/en-us/job/500872/associate-professor-or-professor-disability-aging-and-technology-cluster">https://jobs.ucf.edu/en-us/job/500872/associate-professor-or-professor-disability-aging-and-technology-cluster</a>. The review of applications will begin immediately. Applications will be accepted and reviewed on an ongoing basis; therefore, interested applicants are strongly encouraged to apply as soon as practicable as the position is subject to close with as little as 7 days' notice.

Questions regarding this search can be directed to the search chair, Reid Oetjen, at Reid.Oetjen@ucf.edu.

UCF's Equal Opportunity Statement can be viewed at: https://www.oie.ucf.edu/documents/PresidentsStatement.pdf.

UCF makes all application materials and selection procedures available to the public upon request.

## University of Central Florida

Endowed Professor (open-rank), Statistics and Data Science

UCF's Department of Statistics and Data Science invites applications for a 9-month T/TE endowed professorship position (open rank), anticipated to begin August 2022. Rank will be commensurate with the candidate's record of teaching, research, and service.

Seeking a candidate with a background in statistical learning, artificial intelligence, or machine learning. Must have a strong record in research that is commensurate with a tenure-track or tenured position in the Department.

The ideal candidate will be an excellent mentor for both theoretical and practical skills, and we are especially interested in an individual who can lead the effort to build a nationally recognized big data research program.

Review of applications will begin October 30, 2021.

Questions regarding the position should be directed to Edgard Maboudou, Search Committee Chair, at edgard.maboudou@ucfedu.



Full details and application submissions at: https://jobs.ucf.edu/en-us/job/500766/endowed-professorship-open-rank-statistics-and-data-science

## University of Central Florida

Two Assistant Professors, Cyber Security and Privacy

### **Job Description:**

The University of Central Florida (UCF) has established nine interdisciplinary clusters to strengthen its academic offerings and research mission. In support of this effort, we are recruiting faculty in the broad area of cyber security and privacy, and plan to hire two tenure-track assistant professors for this cluster. These positions have an anticipated start date of August 8, 2022.

For the first position, we are looking for a faculty candidate with a background at the intersection of machine learning, artificial intelligence, security, and privacy. For the second position, we are looking for candidates working in systems security, broadly defined. This may include specialization in the security of software systems, networked systems, hardware systems, etc., or a combination thereof.

The ideal candidates for these two positions will have a strong background in cyber security and privacy and be on an upward trajectory in these areas. They will have a research impact, as reflected in high-quality publications and the ability to build a well-funded research program. We are looking for team players who can help

bring together current campus efforts in cyber security and privacy.

The Cybersecurity and Privacy Cluster is an interdisciplinary initiative bringing together researchers from across the campus, working on addressing the pressing questions of our national security from an engineering, science, and social perspective. The cluster currently has eight members, collectively advising more than 35 doctoral students, embracing a strong culture of collaboration and teamwork. The cluster runs various well-funded programs, is home to a newly introduced MS in Cybersecurity and Privacy, and was recently awarded the NSF Scholarship for Service Program. More information can be found at https://www. ucf.edu/research/cyber-security-privacy/

### How to apply?

Candidates must apply online via UCF's Online Recruitment System at https://jobs.ucf.edu/en-us/job/501009/assistant-professor-cyber-security-and-privacy. In addition to the online application, candidates must provide a cover letter, vitae, teaching and research statements, and contact information of three professional references.

Applications review will begin on November 15, 2021, and will continue until filled.

Direct all questions to David Mohaisen at mohaisen@ucf.edu.

UCF's Equal Opportunity Statement can be viewed at: https://www.oie.ucf.edu/documents/PresidentsStatement.pdf.
UCF makes all application materials and selection procedures available to the public upon request.

## **University of Cincinnati**

Assistant/Associate/ Full Professor Educator

The Department of Electrical Engineering and Computer Science (EECS) of the College of Engineering and Applied Science at the University of Cincinnati invites applications for non-tenure-track positions as a Professor Educator or Professor of Practice of Computer Engineering and Computer Science. Track with salary and rank commensurate with credentials.

The Professor of Practice duties includes teaching six undergraduate courses over two semesters related to the candidate's area of expertise within the areas of Computer Science and/or Computer Engineering. In Computer Science, this may include machine learning, artificial intelligence, cloud computing, software engineering, computer networks, databases, data structures, introduction to computer systems, object-oriented programming, and/or introduction to programming. In Computer Engineering, this may include embedded systems, computer networks, software and systems engineering, and/or computer architecture.

The Professor Educator duties are identical to those of the Professor of Practice, except duties also include teaching classes at the graduate level.

Minimum Qualifications prior to effective date of the appointment, one of the following is required:

Practice: MS degree in Computer Science, Computer Engineering or related field



Educator: Ph.D. degree in Computer Science, Computer Engineering or related field

For the full job description and application requirements,

Please visit *https://jobs.uc.edu* and search keyword: 72963

## **University of Cincinnati**

Assistant/Associate Professor, Educator

The Program of Electrical Engineering within the College of Engineering and Applied Science (*CEAS*) at the University of Cincinnati invites applications for one non-tenure track position at the level of an Assistant/Associate Professor Educator to support its educational mission. Rank will be determined based on the candidate's credentials.

### **Essential Functions:**

The primary responsibility will be teaching selected electrical engineering undergraduate courses (and graduate-level courses as needed) to CEAS students at UC and in China. All courses will be taught in English. It is required for this position to teach one semester (about four months) per academic year in person at a collaborative Chinese university, including but not limited to the Joint Co-op Institute (JCI) at Chongging University (CQU) in Chongqing, China. Duties will include course preparation and curriculum development, delivering lectures and instructing laboratories, holding office hours, grading, and preparing assessment materials. Additional responsibilities will include participation in service activities and duties assigned by Department Head as needed, such as membership in committees and interaction with the Electrical Engineering and Computer Science External Advisory Board.

Minimum Qualifications:

- PhD in the field of Electrical Engineering or a closely related field prior to the effective date of the appointment.
- Candidates will be required to obtain immigration documents for entry/work eligibility into China.

For the full job description and application requirements, please visit *https://jobs.uc.edu* and search keyword: 72481

## University of Colorado Boulder

Cybersecurity Tenure-Track Faculty Position

The Department of Computer Science at the University of Colorado Boulder is currently seeking applications for a Tenure-Track Faculty position in cybersecurity, broadly defined. Candidates in all topics within the broad area of cybersecurity are encouraged to apply. Candidates with interdisciplinary backgrounds connecting security to other domains are strongly encouraged to apply. A successful candidate will develop vigorous, externally funded research programs in their technical areas, engage in undergraduate and graduate teaching, and contribute professional service.

The position will be rostered in the Computer Science department and is responsible for teaching classes focused on cybersecurity and secure communications in the Technology, Cybersecurity, and Policy (TCP) program and

computer security courses in the Computer Science department. The TCP program is a highly integrated and comprehensive graduate program in the Computer Science department, combining technology, cybersecurity, and policy with hands-on experience. We are especially interested in qualified candidates who can contribute, through their research, teaching, and service, to the diversity and excellence of our academic community.

The salary range for this position is \$95,000 - \$160,000 annually commensurate with rank. The position will remain open until filled, though candidates are encouraged to apply by November 15, 2021 for full consideration.

For consideration, applications must be submitted through *jobs.colorado.edu*.

# University of Colorado Colorado Springs

Instructor - Computer Science

The Department of Computer Science (CS) at the University of Colorado Colorado Springs (UCCS) invites applications for two full-time instructor positions, one in Cybersecurity and one in Computer Science. Instructors teach undergraduate courses, including cross-listed courses in the College of Engineering and Applied Science, and participate in service activities. Applications received by October 24, 2021 will receive full consideration.

To learn more about and to submit an application for the Cybersecurity Instructor position, please visit: https://cu.taleo.net/careersection/jobdetail.ftl?job=2295l&lang=en



To learn more about and to submit an application for the Computer Science Instructor position, please visit: https://cu.taleo.net/careersection/jobdetail.ftl?job=22903&lang=en

## **University of Dallas**

Assistant Professor of Computer Science

The University of Dallas invites applications for a tenure-track position as Assistant Professor of Computer Science, to start in Fall 2022.

The teaching load for this position is three courses each semester, drawn from the computer science and mathematics curricula, and will typically include at least four computer science courses each academic year. In addition, candidates are expected to engage in research and professional activities in accordance with department guidelines for tenure and promotion, and to share in serving the needs of the department and university as outlined in the faculty handbook.

### **PRIMARY RESPONSIBILITIES**

- Prepare and deliver instruction to undergraduate students.
- Invite, facilitate, and moderate classroom discussion.
- Evaluate and grade student coursework.
- Maintain student attendance records, grades, and other required records.
- Plan, evaluate, and revise course content, course materials, and methods of instruction.
- Maintain regularly-scheduled office hours to advise and assist students.

- Communicate with students to provide necessary guidance and assistance.
- Maintain an active research program, including publishing in reputable proceedings and/or journals.
- Engage in service to the department, college and university.

### MINIMUM REQUIREMENTS

- Ph.D. in computer science or a related field, by August 2022
- Ability to teach both computer science and mathematics courses

### PREFERRED QUALIFICATION

 Interest in coaching a competitive programming team

### **APPLICATION**

Applications for the position should be made online and must include a cover letter indicating your interest in the position and qualifications to teach both computer science and mathematics courses; a curriculum vitae; a statement on teaching and a statement of research plans; and three letters of recommendation, at least one addressing teaching and at least one addressing research.

Applications completed by October 1 will receive full consideration.

All applications should be submitted online at: https://hr.udallas.edu/apply/

## University of Dayton

Assistant Professor (multiple positions)

The Department of Computer Science invites applications for multiple tenure track

positions at the assistant professor rank to start August 16, 2022.

The Department offers a stimulating academic environment with active research programs in growing areas of computer science. Recently, the Department has relocated to a brand new state-of-the-art facility with numerous cutting-edge research labs and classrooms, and a commitment to further expand and grow the faculty and student opportunities. The department offers Bachelor's, Master's, and Ph.D. degrees in Computer Science, and also a certificate in Autonomous Systems and Data Science.

We seek experts committed to excellence in undergraduate and graduate education who also have a focus on research. The individuals holding these positions are expected to teach undergraduate and graduate courses, pursue an externally funded research program, advise and mentor students, and engage in service to the university and the community.

At the University of Dayton, we value our inclusive climate because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, solving complex problems, and creating an inclusive academic community. We translate these values into action by seeking individuals who have experience and expertise working with diverse students, colleagues, and constituencies. The successful candidates will demonstrate support for diversity, equity, and inclusiveness and because we seek a workforce with a wide range of perspectives and experiences, we encourage all candidates to apply.



### Minimum qualifications:

- Completion of all coursework needed for a Ph.D. in Computer Science or an equivalent field
- Potential for quality teaching.
- Potential for scholarly research.
- Articulated commitment to excellence in undergraduate and graduate education with a focus on research.

Interested candidates should submit a cover letter that addresses all minimum and any applicable preferred qualifications met, curriculum vitae, unofficial undergraduate and graduate transcripts (scanned into one document for upload), contact information for three references, a statement articulating their commitment to excellence in teaching which includes active and experiential learning, and a statement addressing research plans. If coursework is not transcripted, please submit a letter from your advisor indicating the coursework is complete.

Posting closes January 1, 2022 at 11:55 PM EST

For a complete list of qualifications and to apply, please go to: https://employment. udayton.edu/cw/en-us/job/499183/ assistant-professor-in-computer-science-multiple-positions

The University of Dayton is a top-tier,
Catholic research university with offerings
from the undergraduate to the doctoral
levels. Founded in 1850 by the Society of
Mary, the University is a diverse community
committed to advancing the common good
through intellectual curiosity, academic rigor,

community engagement and local, national and global partnerships. Guided by the Marianist educational philosophy, we educate the whole person and link learning and scholarship with leadership and service.

Informed by its Catholic and Marianist mission, the University is committed to the principles of diversity, equity, and inclusion. Informed by this commitment, we seek to increase diversity, achieve equitable outcomes, and model inclusion across our campus community. As an Affirmative Action and Equal Opportunity Employer, we will not discriminate against minorities, women, protected veterans, individuals with disabilities, or on the basis of race, color, national origin, religion, sex, sexual orientation, or gender identity.

The University is also pleased to provide support for spouses of prospective and newly hired faculty through its dual career program. While we cannot guarantee placement, we serve as an effective resource and support system for your spouse. Information can be found at <a href="http://www.udayton.edu/hr/employee\_resources/dual\_career\_resources.php">http://www.udayton.edu/hr/employee\_resources/dual\_career\_resources.php</a>

## **University of Florida**

Assistant Professor in Computational Language Science (Tenure Track)

University of Florida Assistant Professor in Computational Language Science: https://apply.interfolio.com/95755

## **University of Hawaii**

Department of Electrical and Computer Engineering Tenure track positions in Cybersecurity and Data Science

Assistant Professor (two positions: 82614 and 82957). University of Hawai'i at Mãnoa (UHM), Department of Electrical and Computer Engineering invites applications for two full-time, tenure-track faculty positions, pending position clearance and availability of funds. To begin approximately August 1, 2022 or soon thereafter.

The University of Hawai'i at Manoa, a Carnegie R1 research university, is a top-50 public university dedicated to providing world-class teaching, research, and service in a multicultural and inclusive environment. Collaboration, funding opportunities, resources, and research exposure may be found through the department's involvement and affiliation with the NSF CyberCorps Scholarship for Service Program (SFS); the NSA/DHS National Center of Academic Excellence in Cyber Defense Research (CAE-R); the NSF AI Research Institute (focusing on dynamic systems); the NSF Center for Science of Information (focusing on big data, information theory, and machine learning); and Ike Wai, a NSF EPSCOR project for bio/nano sensing. Further information is available at

https://ee.hawaii.edu.

Position 82614 (Cyber Security / Computer Engineering) We are seeking candidates with a strong research record in computer



security and privacy, data science and information security, AI systems and security, cyber-physical systems/IoT, connected vehicles, 5G systems, mobile systems, big data and information systems, digital health systems, cloud/edge systems, or related areas. Ideal candidates in the primary search area will also be able to leverage the existing areas of strength at UHM: computer network security, privacy, CPS/IoT security, and wireless network security.

Position 82957 (Data Science / Statistics / Systems): We seek candidates with a strong research record in statistical/machine learning, data science, information theory/signal processing, or related areas. We will interpret these areas broadly. Ideal candidates in the primary search area will also be able to leverage the existing areas of strength at UHM: energy, life sciences, computer privacy and security, optimization and control, signal processing, and information theory. Exceptional candidates in other areas of Electrical or Computer Engineering, Computer Science, or Statistics are also encouraged to apply.

**Duties:** Teach and develop courses in electrical or computer engineering, develop an extramurally funded research program, publish outstanding work in leading scholarly journals, supervise graduate students, and provide department, college, and university service.

Minimum qualifications: An earned Ph.D. in Electrical or Computer Engineering, Computer Science, Statistics, or a closely related discipline, with a strong research track record. All-But-Dissertation cases will

be considered but degree must be earned before the date of hire. For complete duties, qualifications, and application instructions, refer to:

Position 82614: https://tinyurl.com/securityceng

Position 82957: https://tinyurl.com/datastat-sys

Continuous recruitment: Application reviews will begin on Dec. 13, 2021, and will continue until the position is filled. The University of Hawai'i is an equal opportunity/affirmative action institution and encourages applications from women and minority candidates.

## **University of Hawaii**

Tenure-track Assistant Professor, Computer Science

The Department of Information and Computer Sciences (ICS) at the University of Hawaii at Manoa invites applications for two tenure-track Assistant Professor positions starting in the 2022-2023 academic year. We are seeking applicants in the areas of (I) Software Engineering (position #0087503), and (2) Data Science (position #0084029), broadly defined, including, but not limited to, data management/engineering, data analytics and visualization, cloud- and cyber-infrastructure, machine learning, data security. Exceptional candidates in related areas are also encouraged to apply.

UH Manoa is an R1 university located in Honolulu, and the flagship campus of the University of Hawaii system. It is the fourth most diverse campus in the U.S., and includes world-renowned programs in the School of Ocean Science and Engineering, the Institute for Astronomy, and John A. Burns School of Medicine. Current areas of expertise in the ICS department include machine learning, visualization, VR/AR and immersive environments, high performance computing, human-computer interaction, security, bioinformatics, and algorithms. ICS faculty help lead the Hawaii Data Science Institute.

Applicants must have received a Ph.D. in Computer Science or a related discipline prior to the start of the appointment, must show outstanding promise in research, and must have a strong commitment to teaching. Applications comprising a cover letter, CV, research and teaching statements, and names and contact information for three references, should be submitted at: https://tinyurl.com/w79rkxk6

Full consideration will be given to complete applications received by November 20, 2021. Applications will be considered until the positions are filled.

Inquiries: Guylaine Poisson (*guylaine@hawaii.edu*)

## **University of Hong Kong**

Tenure Track Faculty Position - Associate / Assistant Professor of Computer Science

Applications are invited for Associate Professor / Assistant Professor, full-time positions tenable from 1 July 2022. Applicants should have a Ph.D. degree in Computer Science, Computer Engineering, or a related field, with a strong commitment to research and teaching A solid track record in research is essential.



The position is open to all research areas in Computer Science, with preference given to candidates in the field of Artificial Intelligence with applications in healthcare, medical research or smart living.

More information can be found at: https:// jobs.hku.hk/cw/en/job/508439/tenuretrackassociate-professorassistant-professor

## **University of Houston**

Assistant Professor

The University of Houston, Department of Computer Science is seeking applicants for four tenure- track Assistant Professor positions and a non-tenure track Instructional Assistant Professor. The appointments will begin September 1, 2022. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding as Principal Investigator (PI). Salary consideration will be commensurate with experience. All positions require a PhD in Computer Science or related field.

The Department is particularly interested in candidates who have experience working with students from a diverse background and a demonstrated commitment to improving access to higher education for disadvantaged students. The University of Houston is responsive to the needs of dual career couples.

For full consideration, submit your application materials (CV, cover letter, teaching philosophy, research statement,

and publications) by January 3, 2022 to the links provided below. For inquiries about this position, prospective applicants are encouraged to contact the computer science department chair, Prof. Shishir Shah (sshah@central.uh.edu).

The University of Houston is an equal opportunity/affirmative action employer. Minorities, women, veterans and persons with disabilities are encouraged to apply.

### Assistant Professor - Data Science - Smart Cities and Infrastructure - (FAC002037)

Research experience in data science and related areas such as artificial intelligence and machine learning. Research expertise in any promising area related to data science will be considered including, but not exclusively, foundational theory of algorithms related to processing of massive structured, unstructured, high dimensional and noisy data as well as applied research relevant to applications in smart cities/communities, infrastructure, and healthcare.

## Assistant Professor - Cybersecurity and Privacy in Health - (FAC001993)

Research expertise in any promising area of cybersecurity and privacy will be considered including, but not exclusively, health, data security, and other areas involving the collection, organization, management, and extraction of knowledge from massive, complex, heterogeneous datasets.

Additional application areas of interest would be in fairness/bias detection in health and computational foundations of information/data ethics and policy.

## Assistant Professor - Artificial Intelligence - Cyber and Physical Security - (FAC001995)

Research experience in any promising area of artificial intelligence will be considered including, but not exclusively, security systems and related areas such as cybersecurity for energy production and delivery systems, security for drones and autonomous vehicles, supply chain security, secure IoT/edge computing for critical infrastructures, AI based predictive commerce for green and renewable energy applications (game theory, computational economics), and cybersecurity for distributed health data.

## Assistant Professor - Artificial Intelligence - Big Data, Distributed Systems, and Graph Algorithms -(FACO02000)

Research experience in artificial intelligence including, but not exclusively, big data, distributed systems, graph algorithms, and other areas, such as design and development of next-generation batteries, advanced polymers, complex chemical networks, cyber defense, systems biology, optimization of organizations and global supply chains, future transportation systems, smart cities, energy infrastructure, and advanced manufacturing.

The University of Houston is an equal opportunity/affirmative action employer. Minorities, women, veterans and persons with disabilities are encouraged to apply.



# University of Illinois at Chicago

Open Rank - Multiple Non-Tenure Track Faculty

The Computer Science Department at the University of Illinois Chicago (UIC) seeks one or more full-time teaching faculty members to fill one of two possible positions – Lecturer or Clinical Professor. Candidates would work alongside 19 full-time teaching faculty with over 150 years of combined experience and 12 awards for excellence. Standard teaching load is one to three undergraduate courses per term, depending on enrollment. Areas of interest include introductory programming, data structures, computer organization/systems, web development, data science, software engineering, and machine learning.

The Lecturer track is a long-term career track that starts with the Lecturer position and offers opportunities for advancement to Senior Lecturer. Minimum qualifications include an MS in Computer Science or a closely related field.

The Clinical Professor track is a long-term career track that starts with the Clinical Assistant Professor position and offers advancement to Clinical Associate and Clinical Full Professor. Minimum qualifications include a PhD in Computer Science or a closely related field. Candidates interested in Computer Science Education research are encouraged to apply.

The department seeks candidates dedicated to teaching. Candidates for either position must have either (a) demonstrated evidence of effective teaching or (b) convincing argument of future dedication and success in the art of teaching.

UIC is one of the top ten most diverse universities in the US (US News and World Report), a top 25 public and top 10 best value (Wall Street Journal and Times Higher Education), and a Hispanic-serving institution. Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural, culinary, recreational, and sporting experiences. In addition to the lakefront, theater, and many ethnic districts, Chicago boasts one of the world's tallest and densest skylines, an 8100-acre park system, professional teams in all major sports, and extensive public transit and biking networks.

Submit applications online at <a href="https://jobs.uic.edu">https://jobs.uic.edu</a>. Include a curriculum vitae, names & addresses of at least three references, a statement providing evidence of effective teaching, a statement describing past experience in activities that promote diversity and inclusion (or plans to make future contributions), recordings of recent teaching activities either in-person or online, and recent teaching evaluations. For more information, send e-mail to <a href="mailto:cs-ntt-search@uic.edu">cs-ntt-search@uic.edu</a>.

For fullest consideration, apply by 11/1/2021. Applications will be accepted and reviewed until the positions are filled.

**Duties: Teaching** 

### Qualifications:

Lecturer Teaching Track - Master's Degree in Computer Science or Related Field.

Clinical Teaching Track – PhD in Computer Science or Related Field.

The University of Illinois at Chicago is an affirmative action, equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, protected veteran status, or status as an individual with a disability.

Offers of employment by the University of Illinois may be subject to approval by the University's Board of Trustees and are made contingent upon the candidate's successful completion of any criminal background checks and other pre-employment assessments that may be required for the position being offered. Additional information regarding such pre-employment checks and assessments may be provided as applicable during the hiring process.

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit <a href="https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899">https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899</a>

University of Illinois faculty, staff and students are required to be fully vaccinated against COVID-19. This employment offer is contingent on your timely submission of proof of your vaccination. If you are not able to receive the vaccine for medical or religious reasons, you may seek approval for an exemption in accordance with applicable University processes.



# University of Illinois at Chicago

Open Rank - Multiple Tenure Track Faculty

Located in the heart of Chicago, the UIC CS department anticipates hiring multiple tenure track faculty at all ranks starting from Fall 2022 (with preference to candidates at the Assistant and Associate Professor ranks). Outstanding candidates in all areas who could complement and enhance current department strengths will be considered. Candidates working in Artificial Intelligence, Machine Learning, Data Science, Systems and Software, Computer Graphics, and related areas are especially encouraged to apply. Candidates should have a Ph.D. in Computer Science, Data Science, Information Systems, or closely related fields, and the potential for excellence in teaching and research.

Applications must be submitted at <a href="https://jobs.uic.edu/">https://jobs.uic.edu/</a> 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 Research Gate are recommended. Applicants may contact the faculty search committee at <a href="mailto:cs.edu">cs.-tt-search@uic.edu</a> for more information.

For fullest consideration, applications must be submitted by December 10, 2021. Applications will be accepted until the positions are filled.

The Department of Computer Science at UIC, which will be hiring between 15 and 30 new faculty in the next 5 years, has 40 tenure-system faculty, 4 research faculty with strong and broad research agendas, and 19 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 RI) with about 3,100 faculty and 34,000 students. UIC is committed to increasing access to education, employment, programs, and services for all. 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.

Duties: Teach, Conduct Research, Mentor Students

Qualifications: Ph.D. in Computer Science,
Data Science, Information Systems or closely
Related Field and the Potential for Excellence
in Teaching and Research.

The University of Illinois at Chicago is an affirmative action, equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, protected veteran status, or status as an individual with a disability.

Offers of employment by the University of Illinois may be subject to approval by the University's Board of Trustees and are made contingent upon the candidate's successful completion of any criminal background checks and other pre-employment assessments that may be required for the position being offered. Additional information regarding such pre-employment checks and assessments may be provided as applicable during the hiring process.

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University of Illinois faculty, staff and students are required to be fully vaccinated against COVID-19. This employment offer is contingent on your timely submission of proof of your vaccination. If you are not able to receive the vaccine for medical or religious reasons, you may seek approval for an exemption in accordance with applicable University processes.

## University of Iowa

Assistant Professor

The University of Iowa Computer Science
Department invites applications for multiple
tenure-track Assistant Professor positions
effective August 17, 2022. Instructional track,
visiting, and/or postdoctoral positions may



also be available. The Department offers the BA, BS, MCS, and PhD degrees in Computer Science, the BA, BS, MS, and PhD degrees in Informatics, the BSE degree in Computer Science & Engineering (jointly with the Department of Electrical and Computer Engineering) and the BS degree in Data Science (jointly with the Department of Statistics and Actuarial Science).

We seek creative and collaborative scholars from all areas of Computer Science interested in working in a collegial, supportive, and multidisciplinary environment. We are seeking candidates with research interests that align or intersect with the Department's current strengths in (i) artificial intelligence, machine learning, natural language processing, and data science; (ii) theory and algorithms; (iii) systems, networks, security, privacy, and anonymity; (iv) HCI and virtual/augmented reality; (v) programming languages, compilers, automated reasoning, formal methods, and software engineering; and (vi) applications of computer science (especially healthcare). although all are welcome to apply. Candidates must hold a PhD in computer science or a closely related discipline at time of appointment. Successful candidates must demonstrate potential for research and teaching excellence in the environment of a major research university. Prior record of scholarly publication in leading venues and prior teaching experience are desirable. Responsibilities include conducting cuttingedge research in the candidate's area of expertise, teaching undergraduate and graduate courses, supervising graduate student research, and making service and outreach contributions to the Department, the College, the University, and the discipline.

How to Apply: Applications should include a CV, a research statement (for tenure-track positions), a teaching statement, and contact information for three references. For additional information and to apply online, visit <a href="http://www.cs.uiowa.edu/hiring/">http://www.cs.uiowa.edu/hiring/</a>.

Applications received by **January 15**, **2022** are assured of full consideration.

About Iowa: With just over 30,000 students, the University of Iowa is one of the nation's top public research universities, a member of the Big Ten conference since 1899, and an Association of American Universities member since 1909. The University is known for its balanced commitment to the arts, sciences, and humanities. Located in Iowa City, an urbanized area of 170,000 people that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and has an annual externally funded research budget of over \$500M.

The Department and the College of Liberal Arts and Sciences are strongly committed to diversity, equity and inclusion; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of lowa is an equal opportunity/affirmative action employer.

## The University of Kansas

Assistant Professor Computer Science

The University of Kansas (KU) Department of Electrical Engineering and Computer Science (EECS) seeks outstanding individuals for a full-time, tenure track, academic year (9-month) position in Computer Science. Successful candidates are expected to contribute to the development of academic programs and contribute to the research community. Applicants are expected to have an earned doctorate, or equivalent in Computer Science, Computer Engineering, Electrical Engineering, or closely related field at the time of appointment. Applicants focusing on any area related to programming languages and/or static analysis, including but not limited to: type systems; language semantics; automated software engineering; program analysis; partial evaluation; symbolic execution; and/or model checking are encouraged to apply at (https://employment. ku.edu/academic/20401BR).

Exceptional applicants in other closely related areas to the above topics may be considered.

The University of Kansas School of
Engineering (SoE) and the EECS Department
strongly value diversity, equity, and inclusion.
We seek candidates who can contribute
to fostering an inclusive culture. In Spring
2019, KU SoE was one of only 29 universities
to achieve the exemplar, inaugural ASEE
Diversity Recognition Bronze Award
https://diversityrecognition.asee.org/
award-recipients/. In a continuing effort
to enrich its academic environment and
provide equal educational and employment
opportunities, the university actively



encourages applications from members of underrepresented groups in higher education.

EECS is the largest department in the KU School of Engineering with 34 faculty members and a research volume of over \$6 million per year. Faculty engage in research projects across multiple areas of interest through the department, the Information and Telecommunication Technology Center (ITTC), the Center for Remote Sensing of Ice Sheets (CReSIS), and the KU Medical Center. The EECS department offers undergraduate and graduate degrees in electrical engineering, computer engineering, computer science, and interdisciplinary computing. The department has approximately 750 undergraduate and 150 graduate students. The KU School of Engineering has added new faculty lines over a five-year period and has expanded research and teaching facilities.

## To apply and for information, visit https://employment.ku.edu/academic/2040IBR.

Applications will be reviewed beginning November 15, 2021, and will be accepted until a qualified pool of candidates is identified. The anticipated start date will be August 18, 2022. Questions can be sent to: EECS Search@eecs.ku.edu.

University of Kansas is an *EO/AA* Employer. All qualified applicants will receive consideration for employment without regard to race, color, ethnicity, religion, sex (including pregnancy), national origin, age, ancestry, disability, status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information.

## **University of Kentucky**

Assistant Professor in Computer Science

The Department of Computer Science at the University of Kentucky invites applications for tenure-track faculty positions to begin August 2022. We seek excellent candidates in all areas, with specific needs in data science, software engineering, security, and systems. A demonstrated ability to collaborate with diverse teams to address grand societal challenges is highly desirable. We will consider all ranks, with preference for candidates at the assistant professor level. Tenure-track faculty are expected to build a strong research program in their chosen area and to be dedicated teachers. contributing to our instructional offerings at both undergraduate and graduate levels.

The Department, housed within the College of Engineering, has 23 faculty members. We aim to be a diverse community of researchers and educators pursuing pioneering research in computer science as well as interdisciplinary research collaborations at the university and beyond; offering all students the highest quality instructional programs including Bachelor's, Master's, and Ph.D. degrees in Computer Science, Master's degree in Data Science, and Bachelor's, Master's, and Ph.D. degrees in Computer Engineering; expanding our reach to marginalized and underrepresented students, including but not limited to persons of color, international, first-generation, veterans, those who are differently-abled, and LGBTQ\*; and serving the professional, local, state and global communities. The degree programs in Computer Engineering are

offered in collaboration with the Department of Electrical and Computer Engineering Department; the undergraduate programs in Computer Science and in Computer Engineering are ABET-accredited.

The University of Kentucky is one of eight institutions in the United States with colleges of agriculture, arts and sciences, business, engineering, law, medicine, and pharmacy all on a single campus, making it uniquely suited for diverse interdisciplinary collaborations. Located in Lexington, one of the safest, most creative and well-educated cities in the nation, we offer an ideal setting in which to build a successful work-life balanced career. Lexington is the heart of the scenic Bluegrass Region, with many outdoor recreation opportunities and excellent public and private schools.

Applications are now being accepted. Review of submissions will begin immediately and continue until the positions are filled. Candidates must have earned a Ph.D. in Computer Science or closely related field at the time employment begins. To apply, a University of Kentucky Academic Profile must be submitted at the following link: https://ukjobs.uky.edu/ postings/349510. Applicants should submit a cover letter, full curriculum vitae, research statement (upload under Specific Request 1), teaching statement (upload under Specific Request 2), and contact information for a minimum of three references when prompted in the application.

Questions should be directed to HR/ Employment by phone at 1-859-257-9555 (press 2) or email (ukjobs@email.uky.edu).



or to Diane Mier (diane.mier@uky.edu) in the Computer Science Department. Upon offer of employment, successful applicants must undergo a national background check as required by the University of Kentucky Human Resources. The University of Kentucky is an equal opportunity employer and especially encourages applications from minorities and women.

## **University of Louisville**

Assistant Professor Term Position in Computer Science and Engineering

The Department of Computer Science and Engineering at the University of Louisville seeks candidates for a 2-year Term Assistant Professor teaching position (non-tenure track) with a start date as early as January 2022. The position is renewable upon satisfactory performance and budget availability. A Ph.D. in Computer Science and/or Computer Engineering is required.

All applications submitted by Nov 1st, 2021 will receive full consideration.

See more details at https://www. higheredjobs.com/institution/details. cfm?JobCode=177615205

## **University of Maine**

Assistant Professor of Computer Science

The University of Maine School of Computing and Information Science (*umaine.edu/scis*) seeks applicants for a tenure-track Assistant Professor position, with an anticipated start date of August 29, 2022 (or January 15, 2022).

Our primary target focus is the broad areas of computing education, artificial intelligence, data science, and the applications and impacts of computing, but we will consider qualified candidates in all areas.

Essential duties and responsibilities. These include, but are not limited to:

- Establish and sustain a dynamic research program in the field of expertise, yielding well-placed publications and supported by external awards
- Be an engaging teacher, adviser, and mentor at both the undergraduate and graduate levels, typically offering three courses per year
- Engage in activities to support inclusive excellence
- Participate actively in the development of innovative computing curricula
- Engage in service to the School, College, University, and profession

Qualifications. We are particularly interested in candidates who complement the School's existing research strengths in Artificial Intelligence (AI), Data Management, Machine Learning, Human Computer Interaction (HCI), Privacy/Security, Data Visualization, and Spatial Informatics with potential for collaborations within the School. The ability to contribute to campus-wide Signature and Emerging areas of excellence in Data Science and STEM Education Research also would be viewed favorably. Candidates should have a strong research profile as demonstrated by relevant and recent contributions in top peer-reviewed conferences and journals. Successful

teaching experience and documented participation in activities promoting inclusive excellence are also highly desired. A PhD in computer science or a closely related discipline is required by date of hire.

To Apply, visit: https://umaine.hiretouch. com/job-details?jobID=67934&job=a ssistant-professor-of-computer-science

## University of Maryland, College Park

Lecturer in User Experience (UX)

The College of Information Studies at the University of Maryland, College Park (Maryland's iSchool), invites applications for a full-time, professional track lecturer who is highly competent, energetic, collegial, and flexible to join our exciting environment. The Lecturer will teach in one or more of the areas listed below, with a course load of three classes per semester (fall and spring), and will actively participate in the life of the college.

The successful candidate will teach in our core courses that cover topics such as:

- Human-computer interaction (HCI) fundamentals
- Research methods
- Usability
- Interaction design
- Visual design
- Prototyping
- Technical communication
- Capstone integrative projects



Some of the courses that the successful candidate can develop include courses that cover topics such as:

- Machine learning and Al user experience
- Human-robot interaction / UX of robotics
- Multimodal/multiplatform interfaces
- Prototyping and development
- UX analytics and business strategy
- Immersive environments (AR/VR)

The successful candidate will also be able to contribute to existing areas of strengths at the iSchool including accessibility, visualization, games, healthcare, usable privacy and security. While these areas of expertise are of particular interest, candidates with expertise and interest in any HCl areas covered by the College's programs are encouraged to apply.

The successful candidate will teach at the undergraduate and graduate level, and engage in service to the profession and shared governance within the university.

Service to the profession may include taking on a managerial role within the Human-Computer Interaction Lab (HCIL) and assisting the director in achieving the goals of the lab, including community building, outreach, and promoting the lab within the wider research community.

### **Minimum Qualifications**

- Graduate degree in information science, UX/UI or interaction design, information technology, library and archival science, computer science, information systems, or a related area.
- Excellent written and oral communication skills

To apply please use the UMD ejobs link: https://ejobs.umd.edu/postings/88002

Best Consideration Date: October 15, 2021

## University of Maryland, College Park

Maryland Cybersecurity Center Faculty Member

The Maryland Cybersecurity Center (MC2) has openings for multiple tenured and/or tenuretrack faculty positions in cybersecurity and privacy, broadly defined. Strong candidates will be considered in all areas of cybersecurity and privacy. Candidates with interdisciplinary backgrounds connecting security and privacy to other domains are strongly encouraged to apply. Successful applicants will have a tenure home either with the Department of Computer Science or the Department of Electrical and Computer Engineering at the University of Maryland and will also have a joint appointment at the University of Maryland Institute for Advanced Computer Studies (UMIACS). The Maryland Cybersecurity Center is committed to building a diverse faculty preeminent in its mission of research, education, and service to the community: we strive to create an inclusive environment where every member of our community feels that they belong and are empowered to reach their full potential. We especially encourage applications from women and underrepresented minorities. In addition, candidates who have experience and/or interest engaging with a diverse range of faculty, staff, and students in promoting and fostering inclusivity are encouraged to discuss their perspectives on these subjects in the application materials.

The Maryland Cybersecurity Center and the departments of Computer Science and Electrical and Computer Engineering at the University of Maryland are consistently ranked in the top 15 among U.S.-based institutions. In 2019, the Maryland Cybersecurity Center moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Maryland Cybersecurity Center, the Department of Computer Science, the Department of Electrical and Computer Engineering and UMIACS is available at https:// www.cyber.umd.edu/, https://www.cs.umd. edu, https://www.ece.umd.edu, and at https://www.umiacs.umd.edu. Information about the university's work and family policies can be found at https://go.umd.edu/ workfamily.

Interested candidates should apply online at https://ejobs.umd.edu/postings/86992.

Search under Faculty for position 105032.

Applications will be accepted until all positions are filled, but for best consideration please upload all materials by Dec 1, 2021. Questions for the faculty recruitment committee can be sent to jobs@umd.edu.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and



students. The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

# University of Maryland, Baltimore County (UMBC)

Department of Information Systems
Open-Rank Tenure-Track Faculty Position

The Department of Information Systems (IS) at UMBC invites applications for an openrank tenure-track faculty position starting August 2022. Successful candidates will complement and extend our current strengths. More information about research interests of our faculty can be found at <a href="https://informationsystems.umbc.edu/home/research/areas-of-research/">https://informationsystems.umbc.edu/home/research/areas-of-research/</a>. Candidates with research interests cross-cutting multiple areas are particularly encouraged to apply. Candidates must have earned a Ph.D. in related fields no later than August 2022.

The Department has 36 full-time faculty and over 1,600 students, including over 80 PhD students. The department offers

undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS program in IS. In addition, the Department houses the Master's in Health Information Technology and the Master's in Software Engineering, both as professional degree programs. Our faculty are actively engaged in collaborative interdisciplinary research within and across departments and institutions. Five of our current faculty have received NSF CAREER awards. IS faculty members lead four research centers: the Center for Real-time Distributed Sensing and Autonomy (CARDS), the Interactive Systems Research Center (ISRC), NSF HDR institute for Harnessing Data and Model Revolution in the Polar Regions (iHARP), and the UMBC site of the Center for Advanced Real-Time Analytics (CARTA). Further details can be found at https:// informationsystems.umbc.edu/.

UMBC is a public research university that is leading the world in inclusive excellence in research and teaching. UMBC is ranked #6 among all U.S. universities in both undergraduate teaching and innovation (US News). To continue to support this goal, the Center for the Advancement of Learning and Teaching (CALT) provides excellent support such as classroom observation, collection and analysis of student feedback as well as regular workshops and pedagogical demonstrations. Our research is bold, cross-disciplinary, and leverages our location near government agencies, such as NIH, NASA, NSF, NIST, DOD, NIDILRR and USGS. UMBC's strategic location

in the Baltimore-Washington corridor puts us close to many high-tech companies and local area medical and nursing schools as well. The 2020 Chronicle of Higher Education also named UMBC as one of the great colleges to work for. for the eleventh year in a row. The department, college and UMBC are deeply committed to the success of all of our faculty. We provide mentoring programs which offer regular and structured support for faculty to develop a thriving and successful research program, including launch committees for new faculty. and the Eminent Scholar mentoring program which helps faculty to build relationships with leaders in the field beyond UMBC. The campus is close to both energetic urban centers and family-friendly suburbs. Nearby cities such as Columbia and Ellicott City have been routinely ranked in the top 10 best places to live in the US by Money Magazine.

Candidates are expected to establish a collaborative, externally funded, and nationally recognized research program and contribute to teaching a variety of graduate and undergraduate courses offered by the department effectively. We expect candidates to be innovative in terms of pedagogical methods, course content, and curriculum development, and be committed to advising, mentoring and supporting student success. All candidates should have experience in - or have the potential for - building an equitable and diverse scholarly environment in teaching, mentoring, research, service, or community engagement. Successful candidates for the Assistant Professor rank should be able to develop an independent research program. Candidates for the Associate and Full Professor rank should



also demonstrate a track record of inclusive excellence. Candidates for the Associate Professor rank should also have a strong record of research, teaching, service, and a sustained externally-funded research program. Candidates for the Full Professor rank should also demonstrate leadership in their field, hold an excellent academic record, have a strong mentoring record, and show an excellent history of securing external funds for multiple sizable research projects. We are particularly interested in receiving applications from individuals who are members of groups that historically have been under-represented in the professoriate.

We especially welcome applications from candidates who are willing to contribute to the diversity mission of the university and the department. UMBC is a national model for diversity and inclusive excellence in STEM. Examples of these are our Meyerhoff Scholar programs (http://meyerhoff.umbc.edu/), the Center for Women in Technology (http://cwit. umbc.edu), and PROMISE: Maryland's AGEP (https://promise.umbc.edu/) and McNair Scholars (https://mcnair.umbc.edu/) programs. Inclusive excellence is a hallmark of UMBC and a foundational value of our community. UMBC is the nation's #1 producer of Black undergraduates who go on to complete a Ph.D. in the natural sciences or engineering and #1 for Black undergraduates who complete an M.D./ Ph.D., based on NSF data.

The IS department is proud to support a diverse student and faculty body in terms of gender, race, and ethnicity. The IS faculty has a culture of inclusive excellence, demonstrated by both academic research such as community-engaged scholarship, research

on improving accessibility of technology to individuals with disabilities, as well as efforts to address diversity issues in STEM through efforts such as CWIT scholar program and starting a regional chapter of Women in Data Science and Machine Learning. More than half of the leadership positions in the department including the chair are currently held by women faculty.

Applications for the positions must be submitted as PDF files via Interfolio at <a href="http://apply.interfolio.com/96731">http://apply.interfolio.com/96731</a>.

Review of applications will start in November 15, 2021 but will continue until positions are filled. A complete submission will consist of: 1) Cover letter 2) CV 3) One-page statement of demonstrated commitment to diversity and inclusive excellence. 4) One-page statement of teaching philosophy. 5) Two-page statement of research interests. 6) Names and contact information of at least three references. Letters will be required later for short-listed candidates.

Candidates' experience will be evaluated commensurate to the rank to which they are applying. For inquiries, please email to is\_faculty\_search\_2022@umbc.edu. An informational webinar will also be held in late October. If you are interested in the webinar, please register at https://forms.gle/Rnfb9ezulHTuKNUI7.

Review of applications will begin in November 2021 and will continue until the position is filled.

UMBC is an Affirmative Action/Equal
Opportunity Employer and welcomes
applications from minorities, women, veterans,
and individuals with disabilities.

## University of Massachusetts Amherst

Multiple TT and NTT Faculty Positions

The College of Information & Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for multiple tenure-track and non-tenure-track faculty positions in the Information and Computer Sciences.

- NTT Teaching Faculty-All areas, with particular interest in Bio/Health Informatics
- TT Associate/full Professor-Robotics
- TT Assistant/Associate Professor-Quantum Information Systems
- TT Assistant/Associate Professor-Theoretical Computer Science
- TT Assistant/Associate Professor-Computer
   Vision and Machine Learning
- TT Assistant/Associate Professor-Programming Languages/Software Engineering

Established in 2015, the College of Information and Computer Sciences (CICS) is home to a *U.S. News & World Report* top-twenty ranked computer science graduate program. Today, CICS has 86 faculty, including 36 new faculty hired in the past five years. Our faculty includes 44 Fellows of the ACM, AAAI, AAAS, IEEE, and similar societies. Research funding from industry and government exceeded \$22 million in the past year. The college maintains significant research collaborations with more than 50 industry-leading technology companies. United by a revolutionary vision for computing research, education, and



outreach—Computing for the Common Good—the CICS community seeks applicants who will contribute to the college's collegial, inclusive environment.

Rank and salary will be highly competitive and commensurate with qualifications and experience. For more information and to submit an application, please visit <a href="https://cics.umass.edu/jobs">https://cics.umass.edu/jobs</a>. If you wish to be considered for more than one opening, please submit an application for each one.

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

## The University of Melbourne

Senior Lecturer/Associate Professor (Multiple Roles)

Multiple vacancies within the School of Computing and Information Systems

The University of Melbourne is consistently ranked among the leading universities in the world, we are globally engaged; comprehensive; research-intensive; and committed to responding to the major challenges of our time.

The Faculty of Engineering and Information Technology (FEIT) is strongly committed to supporting diversity and flexibility in the workplace. Improving the representation of women is necessary in our goal to innovate and to strengthen FEIT's reputation as a best-inclass centre of research.

About the School of Computing and Information Systems (CIS) We are international research leaders with a focus on delivering impact and making a real difference in three key areas: data and knowledge, platforms and systems, and people and organisations.

At the School of Computing and Information Systems, you'll find curious people, big problems, and plenty of chances to create a real difference in the world.

We are pleased to announce three (3) new positions for Lecturers / Senior Lecturers / Associate Professors

- Digital Ethics [Job Ref: 0054189]
- Algorithms and Fairness [Job Ref: 0054173]
- Machine Learning/Computer Systems
   [Job Ref: 0054058]

Please visit University of Melbourne Careers site at <a href="https://jobs.unimelb.edu.au/en/listing/">https://jobs.unimelb.edu.au/en/listing/</a> and search the above-listed Job reference numbers for full outlines for each role and access to the Position Descriptions.

\*The deadline for all the vacancies is 11 November 2021, 11:55 pm AEDT

## **University of Miami**

CoE - Faculty Data Science (Asst. Prof/ Assoc. Prof./Professor)

The department of Electrical and Computer Engineering (ECE) at the University of Miami (UM) invite applications for tenure-track faculty positions. All levels (Assistant, Associate or Full Professor) will be considered. Candidates are being targeted for a cluster of hires within the CoE in the area of Data Science. Preference

will be given to candidates with research in artificial intelligence and data analytics. Other areas including cybersecurity, cyber physical systems, autonomous vehicles, Internet of Things, and edge computing will also be considered.

You may apply here: https://umiami.wdl. myworkdayjobs.com/en-US/UMFaculty/job/ Coral-Gables-FL/CoE---Faculty--Asst-Prof-Assoc-Prof-Professor R100048536-1

Initial screening of applications will begin immediately, with hires expected to start as early as January 2022 or later. If you have any questions, please feel free to contact the Chair of the Search Committee, Dr. Jie Xu (jiexu@miami.edu)

The University of Miami embraces diversity as an Equal Opportunity Employer. Applications from women and under-represented minority groups are strongly encouraged

## **University of Miami**

Faculty Positions in Computer Science

The Department of Computer Science at the University of Miami (https://www.cs.miami.edu) invites applications for tenure-track or tenure eligible faculty positions at various levels (Assistant Professor, Associate Professor, Professor). Candidates must possess or expect to receive a PhD in Computer Science or a closely related discipline by the beginning of the appointment, August 15, 2022. In addition, successful candidates must conduct research in Data Science, including areas such as Machine Learning, Deep Learning, Computer Vision,



Cognitive Cybersecurity, Blockchain, Realtime Analytics, Streaming Analytics, and Edge Computing, and are expected to develop/ maintain an internationally recognized research program. Exceptional candidates in related areas will be considered. The selected candidate will be expected to teach classes at the undergraduate and graduate levels. The faculty in these positions will be housed primarily in the Department of Computer Science and will have responsibilities in the Institute for Data Science and Computing (IDSC). IDSC (https://www.idsc.miami. edu) is a newly created university research organization and rapidly growing its capacity. IDSC focuses on defining new knowledge areas and disciplines that can take advantage of data and computation, enhancing the use of data and computational methods in existing disciplines at the University of Miami, and helping to educate the public at large about intelligent and responsible use of data by developing programs at all educational levels. Recent collaborative efforts between the institute and the Department of Computer Science include an NSF IUCRC Center for Accelerated Real-time Analytics (https://carta. miami.edu) and the Master of Science in Data Science program (https://msdatascience. miami.edu).

Applications should be submitted via the UM Careers website at <a href="https://umiami.wdl.myworkdayjobs.com/UMFaculty">https://umiami.wdl.myworkdayjobs.com/UMFaculty</a> and shall include:

- A cover letter, including the names and contact information for at least three references.
- 2. Curriculum vitae.

- 3. Research plan.
- Teaching philosophy, including, if applicable, the results of all teaching evaluations from the last two years.
- 5. Document explaining your commitment to diversity.
- 6. A single PDF concatenating up to three representative papers.

Please compile the above-mentioned application documents in a single PDF and upload under the Resume/CV section of the online application. Review of applications will begin on 1st December 2021 and continue until the positions are filled. Inquiries may be directed to <code>search@cs.miami.edu</code>.

The University of Miami is an Equal Opportunity Employer – Females/Minorities/ Protected Veterans/Individuals with Disabilities are encouraged to apply. Applicants and employees are protected from discrimination based on certain categories protected by Federal law. Click *here* for additional information.

For more information about the position and application instruction, please visit: <a href="https://www.si.umich.edu/about-umsi/prospective-faculty">https://www.si.umich.edu/about-umsi/prospective-faculty</a>. Job duties include teaching, research, and service.

### **Minimum Requirements**

- Master's Degree in an area such as information, library or archival science, or a related discipline
- Outstanding contributions to professional engagement and practice; at the Associate level leadership in professional engagement and practice
- Scholarly or professional products or activities that have impact in digital libraries, archives and/or curation
- A strong interest in teaching at the undergraduate and graduate levels
- A strong commitment to interdisciplinary professional research and diversity

### **U-M EEO/AA Statement**

The University of Michigan is an equal opportunity/affirmative action employer.

## **University of Michigan**

Clinical Assistant or Clinical Associate Professor in Digital Archives, Libraries, and Curation

The School of Information at the University of Michigan (UMSI) seeks clinical professors at the assistant or associate professor levels in the field of Digital Archives, Libraries, and Curation. UMSI seeks applicants who can contribute to the missions of the school and the university.

## **University of Michigan**

Computer Science & Engineering Faculty Positions

Computer Science and Engineering (CSE) at the University of Michigan College of Engineering invites applications for multiple tenure-track and teaching faculty (lecturer) positions, as part of its aggressive long-term growth plan. We seek exceptional candidates in all areas across computer science and computer engineering and



across all ranks. Qualifications include an outstanding academic record; an awarded or expected doctorate (or equivalent) in computer science, computer engineering, or a related area. We seek faculty members who commit to excellence in graduate and undergraduate education, will develop impactful, productive and novel research programs, and will contribute to the department's goal of eliminating systemic racism and sexism by embracing our culture of Diversity, Equity and Inclusion.

We will begin reviewing applications as soon as they are received starting October 1st, 2021 and continuing throughout the year. For more details on these positions and to apply, please visit <a href="https://cse.engin.umich.edu/about/faculty-hiring/">https://cse.engin.umich.edu/about/faculty-hiring/</a>.

The University of Michigan is one of the world's leading research universities, consisting of highly ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts, with a commitment to interdisciplinary collaboration. CSE is a vibrant and innovative community, with over 70 world-class faculty members, over 300 graduate students, and a large and illustrious network of alumni. Ann Arbor is known as one of the best small cities in the nation.

Michigan Engineering's vision is to be the world's preeminent college of engineering serving the common good. This global outlook, leadership focus, and service commitment permeate our culture. Our vision is supported by our mission and values that, together, provide the framework for all that we do. Information about our vision, mission and

values can be found at http://strategicvision.engin.umich.edu/.

The University of Michigan has a demonstrated legacy of commitment to Diversity, Equity and Inclusion (DEI). The Michigan Engineering component of the University's comprehensive,

five-year, DEI strategic plan—with updates on our programs and resources dedicated to ensuring a welcoming, fair, and inclusive environment—can be found at: http://www.engin.umich.edu/college/about/diversity. CSE is firmly committed to DEI and improving our climate through transparent communication and effective action, as shown in our annual report: https://cse-climate.engin.umich.edu/reports/climate-dei-reports/cse-climate-dei-report-20-21/.

### U-M COVID-19 Vaccination Policy

COVID-19 vaccinations are now required for all University of Michigan students, faculty and staff across all three campuses, including Michigan Medicine, by the start of the fall term on August 30, 2021. This includes those working or learning remotely. More information on this policy is available on the *Campus Blueprint* website.

The University of Michigan is an equal opportunity/affirmative action employer, and is responsive to the needs of dual career families.

## **University of Michigan**

Computer Science & Engineering Teaching Faculty Positions

Michigan CSE is hiring for multiple long-term, career-oriented teaching faculty positions. We are seeking passionate individuals to join our *community* of teaching-focused faculty, and who will support our *teaching mission* and further our goal of creating a *diverse*, *inclusive*, *and representative Computer Science community* within our department and in the field at large.

Teaching Faculty are typically responsible for 2 courses per semester, sometimes 2 sections of the same course, with a mix of introductory, core, and specialized upper-level courses based on preference and expertise. Faculty often work in collaborative teams when courses have multiple sections. Teaching faculty hold leadership roles in designing the curriculum and structuring our student experiences. We are seeking candidates who share our commitment to equity-centered engineering, and who strive for continued personal and professional development in the areas of pedagogy, diversity, equity, and inclusion.

Teaching faculty are active and engaged members of the department faculty. They are involved in departmental service and leadership, and many choose to be involved in scholarly research in their own technical area or in computer science education (though research is not required). A plethora of opportunities are available to teaching faculty for *professional development, innovation*, and research in teaching and learning in CS.



Faculty are supported by *outstanding teaching assistants*, who play a critical role in instruction, student support, *building an inclusive environment*, and course development. Department-level course support staff assist with administrative and logistic needs.

We will begin reviewing applications as soon as they are received beginning October 1st, 2021, and continue throughout the academic year. Positions may start as early as the Winter 2022 term. Initial appointments include a renewable 3-year contract. Applicants will be evaluated based on demonstrated evidence of excellent teaching, ability to positively impact and support students, and commitment to creating a diverse and inclusive CS community, as well as potential for growth and professional development in these areas.

This position is covered under the collective bargaining agreement between the U-M and the Lecturers Employee Organization, AFL-CIO, which contains and settles all matters with respect to wages, benefits, hours and other terms and conditions of employment.

Apply at https://cse.umich.edu/cse/jobs/ and direct questions to Dr. Andrew DeOrio awdeorio@umich.edu. Include a cover letter, CV, teaching statement, DEI statement, research statement (optional), three references, and teaching evals (if any).

## **University of Michigan**

Tenure-Track Faculty Position in Biostatistics

The Department of Biostatistics at the University of Michigan is seeking applicants for a tenure-track (Assistant Professor) faculty position, expected to start at the beginning of the Fall semester, 2022. A particular focus of the position is on candidates who have interests in big data and health data science in biomedical applications that include, but are not limited to, the development of methodology and algorithms for learning from complex and heterogeneous data, for large-scale study design and data visualization, and for combining the results of different models in ensemble analyses. Required qualifications include a Ph.D. degree or equivalent in biostatistics, statistics, data science. computer science, bioinformatics, or other related quantitative discipline, and a strong research interest in health data science. Excellent candidates for the position with other research focus will also be considered and are encouraged to apply.

The University of Michigan is an affirmative action/equal opportunity employer.

Applications from women and minorities are welcomed and strongly encouraged.

For more details and to apply, please visit https://sph.umich.edu/biostat/job-postings/asst\_professor\_tenure\_track.html.

# University of Minnesota Duluth

Tenure-track Assistant Professor

The Department of Computer Science in the Swenson College of Science and Engineering at the University of Minnesota Duluth (UMD) invites applications for a tenure-track Assistant Professor that will begin on August 22, 2022. This is a full-time. 9-month position. The successful candidate will establish an independent, externally funded research program, which includes mentorship of undergraduates and graduate students. The area of research specialization for this position is open. They will have teaching responsibilities in our lecture and laboratory courses. They will also contribute to graduate and undergraduate teaching, advising, and mentoring, while supporting diversity and inclusion and a commitment to justice. Service to the Department, College, and University is also expected. Candidates must have a Ph.D. in computer science or a related discipline by July 1, 2022. Experience with effective and innovative teaching methods, such as active learning, is preferred. Please see https://z.umn.edu/ scsecareers for more information.

The Department of Computer Science is committed to providing engaging and contemporary learning environments for all students interested in the profession of computer science. Students work closely with our faculty on a wide array of multidisciplinary research topics and participate in opportunities to extend



the reach of computer science in the community. The Bachelor of Science in Computer Science degree is accredited by the Computing Accreditation Commission of ABET (www.abet.org). The M.S. degree, a two year program in Computer Science, provides a firm foundation in research and applications in Computer Science. We are especially interested in recruiting and retaining a diverse faculty to maintain the excellence of the Department, College, and University, and to offer students richly varied disciplines, perspectives, and ways of knowing and learning.

The University of Minnesota Duluth values of justice, equity, diversity, and inclusion are essential to achieving excellence. We strongly encourage women, Indigenous, LGBTQIA+, Black, Latinx, Asian American. Hawaiian/Island Pacific, mixed-race, and disabled scholars to apply. We favor candidates who can contribute to the College's distinctive educational objectives, which promote interdisciplinary perspectives and intercultural understanding with social responsibility and the ethical implications of knowledge and action. We recognize that excellence in teaching and research form the basis for any successful candidate. To that end, we are implementing an anonymized search process.

Please see https://z.umn.edu/scsecareers for a description of the application steps.

Applications must include four documents: an anonymized research and teaching statement; a statement that demonstrates a commitment to justice, equity, inclusion, and a diverse student population; a curriculum

vita; and a list of four professional references. Go to the University of Minnesota Job Site and search for job ID 343782. Please direct questions about this position to Dr. Arshia Khan (csfacultysearch@d.umn.edu).

Review of complete applications will start October 27, 2021, and continue until the position is filled.

The University of Minnesota Duluth campus is part of the University of Minnesota public university system and is the second-largest research university within the U of M system. UMD is a comprehensive university of about 11,000 students located along the shores of Lake Superior. The Duluth campus is affiliated with the University of Minnesota College of Pharmacy and School of Medicine, and is home to the Natural Resources Research Institute, the Large Lakes Observatory, and the Advanced Materials Center, Duluth is also the site of a major US EPA Research Laboratory. A dynamic city on a hill situated at the western tip of Lake Superior, Duluth was named Outdoor magazine's Best Outdoors Town, celebrating its access to the outdoors and to Lake Superior—the largest freshwater lake on earth by area. Duluth is home to hundreds of miles of biking, hiking, and skiing trails, including the Superior Hiking Trail, a 300+ mile trail intersecting Duluth, and the Duluth Traverse, an 85-mile multiuse biking and hiking trail stretching across town. In addition to the outdoors, the Twin Ports area has vibrant music, arts, crafts, and craft brewing scenes, and a variety of award-winning restaurants. Duluth is a truly wonderful place to live, with great schools, health care, and affordable housing. It mixes

its historic small-town feel with a dynamic urban economy and many cultural offerings.

UMD is committed to supporting our colleagues. The University of Minnesota has a robust policy with respect to opportunity hires for partners. Parental leaves and oncampus child care are available. The Swenson College has a mentoring program to facilitate professional success. Swenson College Howard Higholt Professorships are also available to support outstanding tenure-track faculty who are committed to creating a more inclusive and equitable institution.

## University of Missouri - Columbia

Assistant, Associate, and Full Professor Positions

The Department of Electrical Engineering and Computer Science (EECS) at the University of Missouri invites nominations and applications for several tenure-track/tenured positions in Electrical Engineering, Computer Engineering and Computer Science at the rank of Assistant, Associate, and Full Professor based on experience level and the background of the applicant as well as two non-tenure-track (NTT) faculty positions at all levels in Computer Engineering and Computer Science.

For the tenure-track/tenured positions, applicants must have a Ph.D. in Electrical Engineering, Computer Engineering, Computer Science, or a closely related field. The fields of interest include power electronics, power systems, microelectronic devices and circuits, sensors, wireless communications, neural engineering, signal processing, embedded



computing, computer architecture, quantum computing, image analysis, computer vision, geospatial intelligence, software engineering, data science, machine learning, artificial intelligence, bioinformatics, physics-based computational modeling and cybersecurity. The faculty member will work closely with multiple departments or groups to grow their research area. The College of Engineering 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 more information and to apply online, visit the MU website at *https://engineering.missouri.edu/faculty-careers/* for position #37865 (tenure-track) and #38021 (non-tenure-track) positions.

For the non-tenure-track faculty positions, applicants must have at least an M.S. in Computer Engineering, Computer Science, or a closely related field. A Ph.D. degree is preferred. Candidates should have a strong background in the fundamentals of Computer Engineering or Computer Science. Experience in undergraduate teaching in respective discipline will be highly desirable.

The Successful candidates must be eligible to work in the United States.

MU specifically invites and encourages applications from qualified women and members of groups underrepresented in science.

Equal Opportunity/Affirmative Action/ADA employer firmly committed to fostering ethnic, racial, and gender diversity in our faculty.

# University of Missouri-St. Louis (UMSL)

Post-Doc position on AI-driven Cybersecurity and IoT Systems

There is currently a post-doc opening (at least a 2-year contract) at the Computer Science department of the University of Missouri-St. Louis (UMSL). Focused research areas are on "AI/ML-driven Cybersecurity, Edge Computing, and IoT systems". The responsibilities include research in the junction of machine learning, Cybersecurity, edge computing, and Internet of Things (IoT).

US citizenship or permanent residency (green card) is required.

Applicants must combine all application materials (cover letter, resume/CV, and list of three references with contact information) into one PDF or Microsoft Word document and upload as a resume attachment.

Please apply through this link.

For inquiries, please contact Dr. Jianli Pan via: pan@umsl.edu

For more information about the team's current research, please visit: http://www.cs.umsl.edu/~pan/

## University of Nevada, Reno

Assistant Professor Cybersecurity

The Department of Computer Science and Engineering at the University of Nevada, Reno invites applications for one Tenure-Track Assistant Professor Faculty position in Cybersecurity starting July 1, 2022.

The new faculty member will help the CSE department expand their rapidly growing program in cybersecurity. Areas of highest interest include but are not limited to: hardware security, cloud security, database security, blockchain, and network security.

More details and application link here: https://www.cse.unr.edu/R0126869

## University of Nevada, Reno

Assistant Professor in Robotics

The Department of Computer Science and Engineering at the University of Nevada, Reno invites applications for one Tenure-Track Assistant Professor Faculty position in Robotics starting July 1, 2022.

The new faculty member will help the CSE department expand their program in robotics, which is currently ranked 28th in the US by CSRankings. Recently UNR's CERBERUS team won the DARPA Subterranean Challenge. Areas of highest interest include but are not limited to: robot perception, learning and adaptive robot control, motion planning, human-robot interaction, field robotics, soft robotics, aerial robotics, and autonomous vehicles.

More details and application link here: https://www.cse.unr.edu/R0126866

## University of Nevada, Reno

Lecturer in Computer Engineering

The Department of Computer Science and Engineering at the University of Nevada, Reno (UNR) invites applications for a full-time, non-tenure-track Lecturer position in Computer



Engineering starting January 1st 2022. The successful applicant will be expected to primarily teach computer engineering courses.

More info at: https://www.unr.edu/cse/ about/open-positions

## **University of New Orleans**

Two Tenure-Track Assistant Professor Positions in Computer Science

The Department of Computer Science at the University of New Orleans invites applications for two tenure-track Assistant Professor positions starting in Spring 2022 or Fall 2022. Candidates with expertise in gaming. AR/VR, machine learning & AI, and big data are especially encouraged to apply. Preference will be given to candidates whose interests and expertise augment existing strengths and exceptional candidates in any relevant area will be given due consideration.

The department hosts two research centers – the UNO Cyber Center (UNOCC) and the Canizaro Livingston Gulf States Center for Environmental Informatics (GulfSCEI) – and places a strong emphasis on both research and teaching excellence. The city of New Orleans offers a rich and unique cultural experience and opportunities for non-traditional collaborations.

The successful candidate will be expected to offer a broad range of specialized courses in their area of expertise, supervise graduate students, develop a nationally competitive research profile, and secure external research funding.

A Ph.D. in computer science or a closely related field is required for appointment. Successful applicants must possess a record of research excellence and demonstrate strong teaching commitments to graduate and undergraduate courses.

Interested applicants are invited to submit a resume, three recommendation letters, teaching, research, and diversity statements to: https://ulsuno.wdl.myworkdayjobs.com/en-US/UniversityOfNewOrleans/job/New-Orleans-La/Assistant-Professor\_R-000186

Applications will be reviewed on a rolling basis until the positions are filled.

UNO is an Equal Employment
Opportunity/Affirmative Action
institution committed to excellence
through diversity. UNO will not
discriminate based upon race,
ethnicity, color, sex, religion, national
origin, age, disability, genetic
information, sexual orientation,
gender identity or expression,
pregnancy, marital status, military
or veteran status, or any other
status or classification protected by
federal, state, or local law. All eligible
candidates are encouraged to apply.



## Assistant Professor of Computer Science (Tenure Track)

### Primary Purpose and Essential Functions:

The Department of Computer Science at the University of the Pacific School of Engineering and Computer Science invites applications for two or more (2+) tenure-track positions at the rank of Assistant Professor, to start in Fall 2022.

This is a unique opportunity for a faculty position in a great location. University of the Pacific is in central California with quick access to several hubs of technology and science, including Silicon Valley, San Francisco, Sacramento, and the Tri-Valley.

University of the Pacific, founded in 1851, is the first chartered institution of higher learning in California. The School of Engineering and Computer Science takes pride in providing a superior, student-centered learning environment that emphasizes close faculty-student interaction and cooperative education. This combination of personal attention and professional practice prepares graduates who excel in the engineering and computing professions and are qualified to pursue advanced degrees. The School has very supportive alumni and its graduates occupy leadership positions in the profession nationally and internationally. Pacific is a residential campus serving a primarily full-time student body.

Salary is competitive with excellent fringe benefits.

### Minimum Qualifications:

Applicants must have a doctorate in Computer Science or closely related discipline.

The primary qualification for this position is a strong interest and demonstrable potential for undergraduate education. Excellent oral and written communication skills are essential. We will consider applicants from any area of Computer Science. Applicants interested in interdisciplinary fields of study are encouraged to apply.

### Preferred Qualifications:

Candidates should also be prepared to contribute to our graduate program leading to the MS in Computer Science, and to sustain a program of academic research.

### Physical Requirements

The physical demands described here are representative but not definitive of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Requires extended periods of sitting and repetitive hand/wrist motion while using computer keyboard and phone. Occasional standing, walking, climbing stairs, bending, stooping and reaching. Occasional lifting up to 25 pounds.

### Work Environment/Work Week/Travel:

Monday through Friday, hours to be determined by department upon hire.

### Special Instructions:

This posting is to recruit for 2 open positions within the department.

### Candidates should upload the following documents:

- Cover letter outlining qualifications
- Curriculum Vitae
- Teaching Philosophy that includes a statement defining teaching interests
- Research Program Plan that includes a statement outlining plans for a research program that could involve undergraduate and graduate students
- Additionally, candidates must provide three letters of reference

For first consideration, please apply on or before October 15, 2021.

### To apply, visit https://apptrkr.com/2520031

University of the Pacific is an affirmative action and equal opportunity employer dedicated to workforce diversity. In compliance with applicable law and its own policy, Pacific is committed to recruiting and retaining a diverse faculty and staff and does not discriminate in its hiring of faculty and staff, or in the provision of its employment benefits to its faculty and staff on the basis of race, color, religion, national origin, ancestry, age, genetic information, sex/gender, marital status, military and veteran status, sexual orientation, medical condition, pregnancy, gender identity, gender expression, or mental or physical disability.



## **University of Notre Dame**

Faculty Positions in Computer Science

The Department of Computer Science and Engineering at the University of Notre Dame invites applications for two faculty positions. The Department seeks to attract, develop, and retain excellent faculty members with strong records and future promise. The Department is especially interested in candidates who will contribute to the diversity and excellence of the University's academic community through their research, teaching, and service.

One position is a tenure-track position at the Assistant Professor rank in the systems area (IoT, security, etc.). Outstanding candidates in other areas may be reviewed with special consideration for faculty with research interests at the interface of computer science and biology, medicine, and/or health.

The other position is a teaching position at the Assistant Teaching Professor rank.

Applicants must submit a cover letter, a CV, a research statement (if applicable), a teaching statement, a statement that summarizes their planned contributions to diversity, equity, and inclusion, and contact information for three professional references. To guarantee full consideration, applications must be received by November 5, 2021; however, review of applications will continue until December 17, 2021. Information about all positions may be found at <a href="https://cse.nd.edu/about-cse/faculty-job-openings">https://cse.nd.edu/about-cse/faculty-job-openings</a> including links to the specific job openings.

The Department offers the Ph.D. degree and

undergraduate Computer Science and Computer Engineering degrees. Faculty members are expected to excel in classroom teaching and to serve the profession and the University. Tenure track faculty members are expected to lead highly visible research projects that attract substantial external funding, and to advise graduate students. More information about the department can be found at: https://cse.nd.edu/.

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

## University of South Florida

Tenure-Track Faculty Positions (all ranks)

The University of South Florida invites applications for tenure-track positions at all ranks Computer Science and Engineering

Applications are invited for multiple tenure-track positions at all ranks in the Department of Computer Science and Engineering starting January or August 2022. Preference will be given to candidates in strategic research areas that have high funding potential from federal funding agencies including NSF, NIH, DARPA, etc. Candidates should have



### **Assistant Professor of Practice, Data Science**

This is a faculty position that will be responsible for developing and delivering a range of lecture content for the M.S. in Data Science program (housed on Pacific's San Francisco campus). The faculty member will report to the Director of the M.S. in Data Science program at the University of Pacific's Stockton campus.

### Essential Functions (In order of importance):

- Teaching: development and delivery of key M.S. Data Science courses (lectures), in areas such as: Machine learning, Data visualization, Storytelling with data, Data engineering, and Applications of data science.
- Oversee M.S. Data Science Capstone project teams, support, and grow Capstone program.
- Assist the M.S. Data Science program director in the ongoing development and evolution of the M.S. Data Science program.
- Assist development and growth of other data-related departments and units
  across the university, including M.S. Business Analytics and undergraduate programs.
- Other duties as assigned.

### Minimum Qualifications:

- Minimum of PhD in relevant field.
   Two or more (2+) years of university level teaching.
- Knowledge and experience in machine learning.
- Excellent lecture / presentation skills.
- Ability to work in a fast paced, entrepreneurial environment with cross-functional teams and multiple stakeholders.
- Positive attitude, proven ability to work successfully with diverse populations and commitment to promote diversity and inclusion.

### Preferred Qualifications:

- Expertise/experience with data visualization techniques and platforms.
- Certification in data science areas, such as Tableau, AWS, Google, DASCA, Tensorflow, etc.

### **Physical Requirements:**

The physical demands described here are representative but not definitive of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Requires extended periods of sitting and repetitive hand/wrist motion while using computer keyboard and phone. Occasional standing, walking, climbing stairs, bending, stooping and reaching. Occasional lifting up to 25 pounds.

### Work Environment/Work Week/Travel:

Work is primarily performed in a standard office environment with use of computer and phone. Occasional travel between San Francisco and Stockton locations will be required. Travel to meet with industry partners/stakeholders will be necessary.

Valid driver's license required. Incumbent must also be able to meet the University's fleet rules and be eligible to drive for University business. The University's insurance carrier reserves the right to exclude applicants based on their driving record.

### Special Instructions:

For first consideration, please apply on or before June 15, 2021.

To apply, visit https://apptrkr.com/2468219

University of the Pacific is an affirmative action and equal opportunity employer dedicated to workforce diversity. In compliance with applicable law and its own policy, Pacific is committed to recruiting and retaining a diverse faculty and staff and does not discriminate in its hiring of faculty and staff, or in the provision of its employment benefits to its faculty and staff on the basis of race, color, religion, national origin, ancestry, age, genetic information, sex/gender, marital status, military and veteran status, sexual orientation, medical condition, pregnancy, gender identity, gender expression, or mental or physical disability.



an established record of outstanding-quality research publications and a commitment for excellence in teaching. We expect successful candidates to contribute to our diversity and inclusion efforts. Candidates must have completed a PhD in computer science or a related discipline at the time of starting the position. Affiliation with the USF *Institute for Artificial Intelligence + X* and/ or the *Institute of Applied Engineering* is possible for candidates with research areas that meet the institute needs. The Institute for AI + X is a university wide research and education center for Al with a focus on collaboration across disciplines. The Institute of Applied Engineering provides agile, bestvalue engineering solutions to enhance the performance, effectiveness and safety of its sponsors, including the Department of Defense: other federal, state and local agencies; and industry.

### Computer Science and Engineering has

28 tenure-track/tenured faculty members, 12 instructors, 3 visiting assistant professors, and 6 staff members/advisors, and offers BS, MS, and PhD degrees, serving over 2000 undergraduates, about 120 masters, and about 100 PhD students. USF CSE has a strong working relationship with CyberFlorida. CSE ranks include twelve NSF CAREER awardees, one National Academy of Inventors (NAI) Fellow, three IEEE Fellows. three IAPR Fellows, three AAAS Fellows, and three AIMBE Fellows. USF CSE is in the top 10% of Computer Science departments in US public universities. This ranking is according to most recent Academic Analytics data based on Scholarly Research Index AAD2019 using default weights for grants, articles,

# Tenure-Track Assistant Professor of Computer Engineering University of Rhode Island (URI)

Applications are invited for a tenure-track position in Computer Engineering at the rank of Assistant Professor beginning in Fall 2022. Outstanding candidates in all areas of Computer Engineering will be considered. This includes but not limited to

- Emerging hardware and software architectures
- Smart Interfacing to other computers, systems, humans, and society, including networking, distributed systems, cyber physical systems, human computer interface, security, etc.
- Smart sensing technologies including near-sensor and in-sensor computing architectures
- Smart memory systems including in memory computing such as processing in memory PIM
- Smart I/Os or smart storage including computing storage or processing in storage PIS

The University of Rhode Island is located near the southern end of the state in picturesque New England. It is a comprehensive doctoral research, Land Grant, Sea Grant and Urban Grant University. The College of Engineering offers innovative undergraduate and graduate programs, stresses links between diverse fields of inquiry, and values outreach, scholarship, and laboratory-based learning. Our new (opening Sept. 2019) 180,000+ square foot engineering building will provide an excellent environment for interdisciplinary research collaborations.

The search will remain open until the position has been filled. First consideration will be given to applications received by December 30, 2021. Second consideration may be given to applications received by January 15, 2022. Applications received subsequent to second consideration date (January 15, 2022) may not be given full consideration.

For complete details, including required and preferred qualifications, and the application process itself, please visit the URI jobs website at https://jobs.uri.edu to apply to faculty job posting (F00262).

### APPLICATIONS MUST BE SUBMITTED ONLINE ONLY

The University of Rhode Island is an AA/EEOD employer.

Women, persons of color, protected veterans, individuals with disabilities, and members of other protected groups are encouraged to apply



## UNIVERSITY OF SAN FRANCISCO

# Assistant Professor, Tenure-Track Master of Science in Data Science Program

The Master of Science in Data Science Program (MSDS) at the University of San Francisco invites candidates to apply for a tenure-track Assistant Professor position to begin August 2022, contingent upon funding approval.

View the full job ad at https://apptrkr.com/2548233.

Applicants must have a Ph.D. by August 2022 and be working in the fields of analytics, data science, or machine learning. Current faculty have degrees in mathematics, statistics, computer science, and engineering, but we welcome applicants from other disciplines. Applications must be submitted online at https://apptrkr.com/2548233 by December 15, 2021.

conferences, awards, and citations. The
Computer Engineering graduate program was

ranked #52 among US public universities by US News and World Report (2021). USF CSE



faculty members have 38 issued patents, own 6 copyrights, and have executed 13 license/option agreements between FY2016-FY2020

The College of Engineering at the University of South Florida comprises seven departments, serving nearly 6,000 students and offers ABET-accredited undergraduate degrees in seven programs, as well as 12 master's and eight doctoral degrees. The College is ranked #55 among public universities in the USNWR 2021 Best Engineering Graduate Program Rankings. The College has 12 major research centers and institutes and is actively engaged in local and global research activities with a focus on sustainability, biomedical engineering, computing technology and transportation. For the fiscal year 2019-2020, the College had \$39 million in research expenditures

The University of South Florida is a highimpact global research university dedicated to student success. Over the past 10 years, no other public university in the country has risen faster in U.S. News and World Report's national university rankings than USF. Serving more than 50,000 students on campuses in Tampa, St. Petersburg and Sarasota-Manatee, USF is designated as a Preeminent State Research University by the Florida Board of Governors, placing it in the most elite category among the state's 12 public universities. USF has earned widespread *national recognition* for its success in graduating under-represented minority and limited-income students at rates egual to or higher than white and higherincome students. USF is a member of the American Athletic Conference Learn more at www.usf.edu.

An application package should include a cover letter, curriculum vitae, statements describing research and teaching experience and goals, and the names and contact information of at least three references (one of which must be the current immediate supervisor of the applicant). Applicants must electronically submit the application packet as one PDF file to: <a href="https://www.usf.edu/work-at-usf/careers">https://www.usf.edu/work-at-usf/careers</a>. For consideration, please apply to the appropriate position level (Assistant Professor, search Job ID #27778, Associate Professor, Search Job ID #277780).

Applications will be considered starting immediately.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272 at least five working days in advance.

## University of Texas at Austin

Assistant Professor in Health Informatics and/or Social Justice Informatics

The School of Information at the University of Texas at Austin invites applications for a tenure-track Assistant Professor of Health Informatics and/or Social Justice Informatics. We are particularly interested in information

scholars who will focus on the design and use of information technology in healthcare and/or the redistribution of power to address inequities at the intersection of race, ethnicity, gender, and class. We especially welcome applications from researchers whose research potentially addresses both (e.g., the use of technology to address health disparities in underserved populations).

For more information, please visit https://faculty.utexas.edu/career/82972

## University of Texas at Austin

Assistant Professor in Human-Centered Data Science or Human-Computer Interaction

The School of Information at the University of Texas at Austin invites applications for a tenure-track Assistant Professor position in the broad areas of human-centered data science and human-computer interaction. Candidates in either area are welcome to apply. We are particularly interested in information scholars who will focus on the intersections of human-computer interaction, data science, and the design and evaluation of systems to support human exploration and discovery.

For more information, visit https://faculty. utexas.edu/career/82966



## University of Texas at Austin

Assistant/Associate/Full Professor of Instruction/Lecturer (professional track) in Computer Science

The Department of Computer Science of the University of Texas at Austin is recruiting for full-time, professional track faculty (Lecturer, Assistant Professor of Instruction, Associate Professor of Instruction, Professor of Instruction) positions. While these positions are not eligible for tenure, we hire with the intent that new professional faculty will become a lasting part of our community.

The department is consistently ranked among the top computer science programs in the nation and is a core unit of Texas Computing, https://computing.utexas.edu. It is renowned for its collegial environment that fosters innovation and collaboration. We value undergraduate education and have a committed group of highly effective educators. The department is committed to building a diverse faculty, and we are interested in candidates who will contribute to diversity and equal opportunity in higher education through teaching and service.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as 3M, Amazon, AMD, Apple, Applied Materials, AT&T, Dell, Google, IBM, National Instruments, and Samsung. Much of Austin's lifestyle is driven by outdoor activities, media, and music. For more information about the department, please visit https://cs.utexas.edu.

The primary duty for these positions is teaching undergraduate courses. Teaching opportunities range from introductory computer science courses, such as data structures and computer architecture, to advanced courses, such as cybersecurity, web applications, and topics related to artificial intelligence, computer systems, big data, and UI/UX.

### **Required Qualifications**

- Master's degree in Computer Science or related discipline
- Strong communication skills

### **Preferred Qualifications**

- Ph.D. in Computer Science or related discipline
- Previous teaching experience

Our faculty work together to provide the courses the students need, so flexibility in topics taught is helpful.

All faculty positions require a cover letter, current curriculum vita, teaching statement and three (3) professional reference letters. Letters of reference must address the candidate's overall quality of teaching and/or presentation skills, the ability to communicate complex topics and expertise in the field of computer science. Applications for professional track positions will be considered on an ongoing basis. Inquiries may be directed to faculty-search@cs.utexas.edu.

## To apply for a professional track position online at https://apply.interfolio.com/96227

Diversity, equity, and inclusion are core values of the department. Our excellence can only be fully realized by faculty, students,

and staff who share our commitment to these values. As a part of their application packet, candidates are encouraged to provide a statement regarding their views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas. The University of Texas is an Equal Opportunity Employer.

## University of Texas at Austin

Assistant, Associate, Full Professor in Computer Science

The Department of Computer Science of the University of Texas at Austin invites applications for tenure-track faculty positions. Outstanding candidates in all areas of Computer Science will be considered with particular attention given to candidates working in Computer Systems (including architecture, databases, networking, operating systems, and security), Machine Learning, Quantum Computing, and Robotics.

The department, in collaboration with the College of Natural Sciences, is interested in and values candidates who are committed to building a diverse and inclusive educational environment and have demonstrated a commitment to improving the diversity, equity and inclusivity of their academic communities. The department views inclusiveness and excellence as interconnected in the work of its faculty.

All positions are subject to the availability of funding.



The department is ranked among the top computer science departments in the country and is a core unit of Texas Computing, https://computing.utexas.edu. It has 50 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including among others the Texas Advanced Computing Center (TACC), the Oden Institute for Computational Engineering and Science, Texas Robotics, the Machine Learning Laboratory, and the Institute on Foundations of Machine Learning (an NSF AI Institute).

Austin, the capital of Texas, is a center for the high-technology industry, including companies such as 3M, Amazon, AMD, Apple, Applied Materials, AT&T, Dell, Google, IBM, National Instruments, and Samsung. For

more information about the department, please visit *https://cs.utexas.edu*.

All tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment. Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students in research.

All faculty positions require a cover letter, current curriculum vita, research statement, teaching philosophy and selected publications. For tenure-track positions, at least three (3) reference letters are required. For tenured positions, at least six (6) reference letters are required.

Diversity, equity, and inclusion are core values of the department. Our excellence can



# Multiple Faculty and Endowed Positions in Computer Science

The Department of Computer Science at The University of Texas at San Antonio (UTSA) invites applications for at least three tenure-track/tenured Assistant or Associate Professors in (i) Security, (ii) Artificial Intelligence, Data Science, or Big Data, and (iii) Networked and Software Systems, and for (iv) one additional Endowed Full/Associate Professor in "Inclusive and Human-centered AI Systems" for a joint appointment with Electrical and Computer Engineering starting in Fall 2022. Internationally recognized outstanding candidates at other levels and areas are also encouraged to apply. The successful candidates will also need to have the ability to work with and be sensitive to the educational necessities of a diverse urban population and be committed to advancing the University's mission as a Hispanic-Serving Institution.

Review of applications will begin on Oct 10, 2021, application deadline will be Nov 30, 2021, and will continue until the positions are filled.

See https://cs.utsa.edu/ and https://apptrkr.com/2494475 for information on the department and application instructions.

UTSA, a Hispanic Serving Institution, is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

only be fully realized by faculty, students, and staff who share our commitment to these

values. As a part of their application packet, candidates are encouraged to provide a



statement regarding their views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas.

## To apply for a tenure-track position online at https://apply.interfolio.com/95140

Review of applications will begin on December 1, 2021, with an application deadline of December 17, 2021. Applications received after the deadline are not guaranteed full consideration. Inquiries about your application may be directed to faculty-search@cs.utexas.edu.

The University of Texas is an Equal Opportunity Employer.

## **University of Utah**

## School of Computing - Lecturing Professor Position Opening

The School of Computing at the University of Utah seeks enthusiastic applicants for the position of Lecturing Professor (at all ranks) beginning in the fall semester of 2022. This lecturing faculty position is intended to be a long term or permanent position, with possibilities for extended contracts and promotion within the University's Career Line Faculty structure.

The School of Computing currently employs 48 tenure-track and 9 lecturing faculty who collaborate to offer a variety of undergraduate and graduate degree and certificate programs. Lecturing faculty are valued members of the collegial School of Computing faculty and have frequent opportunities for professional growth.

The qualifications of an ideal candidate include (i) a PhD in computer science or a related field, (ii) a demonstrated proficiency in teaching, and (iii) an interest in curriculum development. Lecturing faculty typically teach four courses a year, are heavily involved in university governance and service, and are encouraged to continuously improve their scholastic credentials (e.g., by developing curriculum, employing innovative pedagogical methods, publication, etc.).

The School of Computing is updating and expanding the degree options for undergraduates, which provides an exciting opportunity for new lecturing faculty to make significant contributions to curriculum. In particular, candidates with expertise in web technologies (frontend/backend infrastructure, web UI/UX, virtualization, security, and cloud) are sought.

Due to the success of the Master of Software Development, the only such program in the state of Utah, the School of Computing is also seeking candidates with expertise in software engineering, systems, and data analytics to help grow this program.

The School is deeply committed to equity, diversity and inclusion. To demonstrate this commitment, we have created the Utah Center for Inclusive Computing to broaden participation in the undergraduate majors (see *ucic.cs.utah.edu*). To build a more diverse and representative faculty, we strongly encourage applications from populations underrepresented in computing, as well as candidates with nontraditional backgrounds. The School is also committed to addressing lifestyle priorities and will work

with candidates to develop opportunities for spouses and partners.

Salt Lake City is a desirable place to live, with a vibrant downtown showcasing cultural activities and dining options. Utah is renowned for its access to the outdoors, including world-class hiking and skiing opportunities. The University of Utah provides a generous benefits package with a variety of medical and dental plans from which to choose. Other important benefits include retirement, tuition reduction, a wellness program, and an Employee Assistance Program.

# Candidates may apply through the following URL: https://utah.peopleadmin.com/postings/122423

Candidates are requested to submit a cover letter, CV, 3 references, and a teaching statement. Also required is a commitment statement that describes how the candidate's research, teaching and experiences will contribute to the School's goal of fostering diversity, equity and inclusion.

Review of applications will begin after October 8 and will continue until the position is filled.

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: <a href="http://www.utah.">http://www.utah.</a>
edu/nondiscrimination/.



## **University of Utah**

All Areas of Computing - Assistant/ Associate/Professor Positions

The School of Computing at the University of Utah seeks applications for tenure-track/ tenured faculty in all areas of computer science/computing, and at all ranks, to fill approximately nine available positions.

The School of Computing values candidates engaged in cross-area and interdisciplinary research. Candidates are encouraged to apply early, as applications will be evaluated starting in November 2021, and new applications will be considered, as appropriate, through spring of 2022.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with more than 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. The School encourages collaborative research and curriculum development among its collegial faculty. The current faculty of 61 is comprised of 48 tenure-track, 4 research, and 9 lecturing faculty. Additional information about the School and our current faculty can be found at http://www.cs.utah.edu.

The School is deeply committed to equity, diversity, and inclusion. To demonstrate this commitment, we have created the Utah Center for Inclusive Computing to broaden participation in the undergraduate majors (see ucic.cs.utah.edu). To build a

more diverse and representative faculty, we strongly encourage applications from populations underrepresented in computing, as well as candidates with nontraditional backgrounds. The School is also committed to addressing lifestyle priorities and will work with candidates to develop opportunities for spouses and partners.

# Candidates may apply through the following URL: https://utah.peopleadmin.com/postings/122512

A Ph.D. in computer science or a related field is required. Candidates are requested to submit a cover letter, CV, 3 references, and statements for research and teaching. We also require a commitment statement that describes how the candidate's research, teaching and experiences will contribute to the School's goal of fostering diversity, equity, and inclusion.

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**

Five Tenure Track Faculty Positions in Computer Science

The Department of Computer Science at the University of Virginia seeks 5 tenured or tenure-track faculty at all ranks with preference given to Artificial Intelligence and Machine Learning, Cyber-Physical Systems, Software Engineering, Systems, and Theory. Qualifications include an outstanding record of scholarship, an awarded or expected doctorate by the start date in computer science or equivalent, and a commitment to student mentoring, undergraduate and graduate teaching excellence, diversity, and professional service. Rank is dependent upon experience and qualifications.

Please apply online at https://uva.wdl. myworkdayjobs.com/en-US/UVAJobs/job/ Charlottesville-VA/Open-Rank-Faculty-Position-in-Computer-Science\_R0028993 submitting the following required documents:

- Cover letter that addresses: areas of research/scholarship and interest in the University of Virginia
- Curriculum vitae
- A single file that includes your Research,
   Teaching, and Diversity Statements
- A single file that includes two research papers that best represent your work
- Names and contact information for at least 3 references. The search committee may contact the references to request letters.

Please note that multiple documents can be uploaded in the link referenced above.



Review of applications will begin on December 1, 2021, and will continue until the positions are filled. The University will perform background checks on all new faculty hires prior to making a final offer of employment.

For questions about these positions, please contact Sebastian Elbaum, Professor, at *selbaum@virginia.edu*.

For questions about the application process, please contact Richard Haverstrom, Faculty Search Advisor, at *rkh6j@virginia.edu* 

The University of Virginia is annually ranked as one of the premier public institutions in the United States and is located in Charlottesville, a picturesque and vibrant small city perennially ranked as one of the best places to live in the U.S. More information about town, the school, faculty benefits and other topics can be found at <a href="https://hr.virginia.edu/careers-uva/why-uva">https://hr.virginia.edu/careers-uva/why-uva</a>.

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit *https://dualcareer.virginia.edu/*.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the Department and the University of Virginia are fundamentally committed to increasing the diversity of its faculty and staff. UVA is an affirmative action and equal opportunity employer. We welcome nominations of and applications from women, members of minoritized groups, veterans and individuals with disabilities. We also welcome

others who would bring additional dimensions of diversity to the university's research and teaching mission. We believe diversity is excellence expressing itself through every person's perspective and lived experiences.

### **COVID Vaccination Requirement**

The University of Virginia expects all current and new employees (UVA Health System and Academic), to be vaccinated against COVID-19.

If hired to work within the University Health System, you will be required to provide proof of vaccination or be willing to receive the vaccination. Employees may request a medical or religious exemption from vaccination.

If hired to work on the Academic side of the University, excluding the School of Medicine, School of Nursing, UPG, and the Health Systems Library, you will be required to provide proof of vaccination or be willing to submit to mandatory, weekly prevalence testing. Employees that are working 100% remotely will not be subject to weekly prevalence testing; however, if the employee works on UVA Grounds (including the Medical Center) even intermittently, then they are required to be tested for COVID-19 once per week on an indefinite basis and follow masking mandates.

NOTE: Some medical and safety-sensitive positions require vaccination and are not eligible for an exemption. For more information on how the vaccination and testing requirements will apply to you at your work location, see the UVA New Hire Vaccination Requirements webpage.

The University of Virginia, including the UVA Health System which represents the UVA

Medical Center Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.

## University of Wisconsin-Madison

Faculty Positions in Computer Science

The Department of Computer Sciences at the University of Wisconsin-Madison currently seeks candidates for appointments as Assistant, Associate or Full Professor to begin in August 2022. At the assistant professor level, successful candidates will show potential for developing an outstanding scholarly research program in one or more area(s) of computer science that is recognized by the leaders of the area(s) and for innovative and for student-centered teaching in computer science at all levels. Tenured appointments at the associate and full professor levels require record of proven excellence in teaching, research, and service.

Applicants must have a Ph.D. in Computer Science or in a closely related field prior to



the start of the appointment. Duties will include individual and classroom teaching in computer science at the undergraduate and graduate levels and advising and mentoring graduate students majoring in computer science or related areas; scholarly research in a specialty area with computer science; service to the department, college, university, and academic community, nationally or internationally.

All applications must be submitted through Academic Jobs Online. Application materials, including a curriculum vitae, statements of research and teaching objectives, three sample publications, and names and contact information for at least three references, must be electronically submitted via <a href="http://cs.wisc.edu/faculty-apply/">http://cs.wisc.edu/faculty-apply/</a>.

Applicants are encouraged to submit their applications as soon as possible and no later than December 15, 2021 to ensure full consideration. Applications will be accepted until positions are filled.

The Department of Computer Sciences is among the oldest and top-ranked computer science departments in the world, renowned for its groundbreaking research many areas of computer science. The department has a strong track record of support of transformative research and building large-scale computing infrastructures, such as HTCondor and CloudLab, and of new interdisciplinary collaborations, programs, and centers, including the Wisconsin Institutes of Discovery (WID) and the Wisconsin Institute on Software-defined Datacenters of Madison (WISDOM). The department has

also been the beneficiary of significant donations aimed at supporting its research and educational mission.

The new School of Computer, Data & Information Sciences (CDIS) is a significant resource for the Department of Computer Sciences to strengthen its interdisciplinary and cross-campus research collaborations, to establish new, innovative educational programs in the intersection of computing and other domains, and to promote engagement with high-impact, real-world challenges that can be addressed through computing. More information about CDIS can be found at https://cdis.wisc.edu. The construction of a new innovative building for CDIS, which will be the new home of the Department of Computer Sciences, was recently announced, which can be seen at: https://cdis.wisc.edu/building-future/.

UW-Madison is an equal opportunity/ affirmative action employer and is committed to creating a diverse and inclusive community. We promote excellence through diversity and encourage all qualified individuals to apply. A background check is required prior to employment.

## **Vanderbilt University**

Tenure-Track Faculty Positions in Computer Science (Destination Vanderbilt)

The Department of Computer Science (CS) launched in 2020 a multi-year faculty recruitment and hiring process for 20 tenure-track positions at the Assistant, Associate, and Full Professor levels over and above normal hiring patterns, with preference at

early-career appointments. In the first year of the initiative, the department welcomed eight new faculty members. In the second year, the initiative will support at least eight new faculty positions starting in the 2022-2023 academic year. Destination Vanderbilt-CS is part of the university's recently launched Destination Vanderbilt, a \$100 million university excellence initiative to recruit new faculty. Over the next three years, the university will leverage the investment to recruit approximately 60 faculty who are leaders and rising stars in their fields. All hires who are part of this initiative are over and above the normal faculty hiring rate at the university.

We seek exceptional candidates in broadly defined areas of computer science that enhance our research strengths in *areas* that align with the following investment and growth priorities of the Vanderbilt University School of Engineering:

- 1. Cybersecurity and Resilience
- 2. Autonomous and Intelligent Human-Al-Machine Systems and Urban Environments
- Computing and Al for Health, Medicine, and Surgery
- 4. Design of Next Generation Systems, Structures, Materials, and Manufacturing

Our priorities are designed to ensure the strongest positive impact on computer science and cross-disciplinary areas at all six academic departments in the School of Engineering and other colleges and schools across campus. The hiring initiative builds on these strengths and aspires to propel the Vanderbilt CS Department to one of the



leading academic programs nationally and beyond. Successful candidates are expected to teach at the undergraduate and graduate levels and to develop and grow vigorous programs of externally funded research.

Ranked #14 nationally, Vanderbilt University is a private, internationally recognized research university located on 330 park-like acres 1.5 miles from downtown Nashville, Tennessee. Its 10 distinct schools share a single cohesive campus that values collaboration. The university enrolls over 13,500 undergraduate, graduate, and professional students, including 36% minority students and over 1.100 international students from 84 countries. The School of Engineering is on a strong upward trajectory in national and international stature and prominence, and has built infrastructure to support a significant expansion in faculty size. In the rankings of graduate engineering programs by U.S. News & World Report, the school ranks in the top 20 private, research-extensive engineering schools. Five-year average T/Tk faculty funding in the formerly combined EECS department is above \$800k per year per person. Nearly all junior faculty members hired during the past 15 years have received prestigious young investigator awards, such as NSF CAREER and DARPA CSSG.

With a metro population of over two million people, Nashville's top industries by employment include trade, transportation and utilities; education and health services; professional and business services; government; and leisure and hospitality. Other industries include manufacturing,

VI VIRGINIA

# FACULTY POSITIONS Department of Computer Science

The Department of Computer Science at Virginia Tech invites applications for eight (8) tenure-track or tenured faculty positions at all ranks (Assistant, Associate, or Full Professor) in all areas of computer science. The department is in a period of rapid growth and expanding opportunity. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research. We embrace Virginia Tech's motto, *Ut Prosim* ("That I May Serve"): we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

The department currently has 67 faculty members, including 56 tenured or tenure-track faculty, 17 early career awardees, and numerous recipients of faculty awards from IBM, Intel, AMD, Microsoft, Google, Facebook, and others. CS faculty members direct several interdisciplinary research centers, including the Center for Human-Computer Interaction and the Sanghani Center for Artificial Intelligence & Data Analytics. The department is home to over 1,400 undergraduate majors and over 600 graduate students and is located in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

Virginia Tech's main campus is located in Blacksburg, VA, in an area consistently ranked among the country's best places to live. Our program in the Washington, D.C., area is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA, slated to open in 2024. Candidates for faculty positions at the Innovation Campus are encouraged to apply to separate announcements for those opportunities.

The successful candidate will have a Doctoral degree in computer science or a closely related field at the time of appointment, a rank appropriate record of academic accomplishments and a proven ability to work collaboratively; a commitment to interdisciplinary research and instruction and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Tenured and tenure-track faculty are expected to initiate and develop independent research that is internationally recognized for excellence, conscientiously mentor research-oriented graduate students, teach effectively at both graduate and undergraduate levels, and serve the university and their professional communities. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID-19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief. The positions require occasional travel to professional meetings.

Applicants must apply online at **jobs.vt.edu** (job number **517689**): application materials include a cover letter; curriculum vitae; statements discussing teaching and research goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three references. Review of applications will commence on November 20, 2021 and continue until the positions are filled. Questions regarding the positions should be directed to Dr. Ali R. Butt at **facdev@cs.vt.edu**.

The department fully embraces Virginia Tech's commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and desire an accommodation, please contact Joan Watson at jmwatson@vt.edu during regular business hours at least 10 business days prior to the event.

financial activities, construction, and information. Long known as a hub for health

care and music, Nashville is a technology center with a considerable pool of health



care, AI, and defense-related jobs available. In recent years, the city has experienced an influx of major office openings by some of the largest global tech companies and prime Silicon Valley startups.

Vanderbilt University has a strong institutional commitment to recruiting and retaining an academically and culturally diverse community of faculty. Minorities, women, individuals with disabilities, and members of other underrepresented groups, in particular, are encouraged to apply. Vanderbilt is an Equal Opportunity/Affirmative Action employer.

Vanderbilt University has made the safety of our students, faculty and staff, and our surrounding communities a top priority. As part of that commitment, the University recently announced that students, faculty, and staff, are required to be vaccinated against COVID. As a prospective and/or a new employee at Vanderbilt, you will be required to comply with the University's vaccination protocol. Effective, August 1, 2021, proof of full vaccination or an approved accommodation will be required before the start of employment in order to work at Vanderbilt University.

Applications should be submitted online at: http://apply.interfolio.com/94225. For more information, please visit our web site: http://vu.edu/destination-cs. Applications will be reviewed on a rolling basis beginning December 1, 2021 with interviews beginning January 1, 2022. For full consideration, application materials must be received by January 31, 2022.

## **Wake Forest University**

Assistant Professor

The Department of Computer Science at Wake Forest University is seeking applications for a tenure-track Assistant Professor position to begin July 2022. Successful candidates should have a demonstrated potential for a strong research program in their areas of interest and a strong commitment to undergraduate and graduate education as well as student engagement. Applicants should have completed a PhD in Computer Science or a closely related field by the time of appointment.

Desired candidates will be able to develop a visible, externally funded research program within a setting that values high-quality teaching and mentorship of both undergraduate and graduate students. The Department is seeking candidates whose area of expertise falls within algorithms/theory, systems, or software engineering. Exceptional candidates in other areas may also be considered.

For detailed information about the position and application process, visit: https://go.wfu.edu/cs2hire/

## Washington University in St. Louis

Open Lecturer Position(s)

The Department of Computer Science & Engineering at Washington University in St. Louis invites applicants for teaching-track positions in either Data Science or Cyber systems/security. Teaching-track positions have a competitive compensation and long-term

career advancement opportunities that mirror tenure-track lines. The department is in the McKelvey School of Engineering, which is ranked among US News & World Report's top 50 Engineering Schools. As a teaching faculty you will play a key role in maintaining the School's high-quality education.

Duties include: course and curricular development, enhancing teaching and learning methods, service to the department and school, and continuing professional development.

Required qualifications: graduate work in a relevant discipline, excellence in written and oral communication, a passion for teaching, and the ability to work with diverse constituencies.

Desired prior experience: relevant teaching, curriculum and course development; instructional innovation; and involvement in professional communities.

Applications received before December 15, 2021, will be given full consideration. The expected start date is Fall 2022.

For more details and application submission see: https://academicjobsonline.org/ajo/jobs/19945.

Questions related to the search can be sent to *recruiting@cse.wustl.edu* 

## Wesleyan University

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Wesleyan University invites applications for a tenure track assistant professorship in Computer Science to begin



in Fall 2021. We encourage candidates in all areas of Computer Science to apply, and especially encourage candidates who can contribute to the diversity (broadly conceived) of the department. The teaching load is three courses per year.

We will begin reviewing applications on Dec. 1. 2021.

Applications must be submitted online at https://academicjobsonline.org/ajo/jobs/19001 where the full job description may be found.

## **Willamette University**

Assistant Professor, Computer Science

### **Instructions for Applicants:**

Please read the following carefully before beginning the online application process.

To be considered for employment at Willamette University, please complete our online employment application. Your application and all required attachments – listed at the bottom of the page – must be submitted for each individual job post that you are interested in applying for. If there is an application deadline, please ensure that your application is submitted by the deadline. Once you submit your application you will not be able to edit your application.

### **Position Summary:**

Willamette University invites applications for a tenure-track position in computer science starting in Fall 2022. We particularly invite candidates at the rank of Assistant Professor; other ranks will be considered. Candidates will join the Computing and Data Science faculty and should have a Ph.D. in computer science or a related field prior to their start date. Applicants in all areas of computer science will be considered; however, candidates with software development and/or industry experience are particularly encouraged to apply. Standard teaching load is 5 classes per year. All candidates are expected to show a commitment to teaching, research, and service.

### **Reasonable Accommodations Statement**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.

With programs in Portland and in Salem,
Willamette University is fast becoming the
leading provider of computing and data science
education among private universities in the
Pacific Northwest. Our graduate program in
data science is the only one of its kind in the
region, and our undergraduate programs in
computer science and data science are some of
the fastest-growing degrees at the university.

With anticipated growth in faculty and strong support from the Board of Trustees, the computing and data science program is poised to become the University's fifth named school. Dedicating a new school to these disciplines demonstrates the university's commitment to producing graduates with the skills that are in the highest demand.

Founded in 1842, Willamette University is the oldest university in the Western United States. In addition to a highly ranked College of Arts & Sciences and the College of Law, Willamette University also includes the Atkinson Graduate School of Management, which enhances the university's connection to the vibrant technology sectors on the West Coast. Moreover, Willamette's recent merger with the Pacific Northwest College of Art offers unique opportunities to explore the intersection of code and creativity.

Willamette has a strong commitment to diversity and seeks through its programs to expand opportunities for students from a wide variety of backgrounds. Last year, U.S. News and World Report named Willamette the best university in the Pacific Northwest for economic diversity. In the surveys conducted by College Factual, Willamette ranks in the top 10 percent of universities in terms of overall diversity.

Applications will be reviewed beginning November 1, 2021; the position will remain open until filled

To view full job details and apply, please click the link: https://willamette.wdl.myworkdayjobs.com/WillametteUniversityJobs/job/Salem-Campus/Assistant-Professor--Computer-Science R0003927

## Williams College

Assistant Professor and Open Rank Positions

The Department of Computer Science at Williams College invites applications for two faculty positions beginning July 1,2022. One is a tenure-track position at the rank of assistant professor with a three-year initial term. The other is an open rank position with



a preference for more advanced candidates. That position will have terms commensurate with prior experience. We invite applications from all areas of computer science for both positions.

New faculty will join eleven current members of the department in supporting a thriving undergraduate computer science major at a top-tier liberal arts college. The Department of Computer Science offers a congenial working environment, an excellent and diverse student body, and state-of-the-art facilities supporting both teaching and research. Many opportunities exist for collaboration both within computer science and across disciplines. For more information about the department and faculty, please visit http:// www.cs.williams.edu.

### **Qualifications**

Candidates should have a commitment to excellence in both teaching and research, and candidates should, by September 2022, possess a Ph.D. in computer science or a closely related discipline. Successful candidates will teach a total of three courses during the academic year, along with associated labs.

### **Application Instructions**

Applications should include a cover letter, curriculum vitae, teaching and research statements, and three letters of reference. at least one of which speaks to the candidate's promise as a teacher. The application materials should also address how the candidate's teaching, scholarship, mentorship and/or community service might support Williams' commitment to diversity and inclusion. Application materials must

be submitted electronically through Interfolio at http://apply.interfolio. com/91229. Materials may be addressed to Professor Stephen Freund, Chair, Department of Computer Science.

Completed applications received by November 15, 2021, will receive full consideration, and review of applications will continue until the positions are filled. The search committee plans to conduct video conference interviews with semifinalists by the end December, followed by on-campus interviews with finalists in January. Please direct all correspondence to hiring@cs.williams.edu. All offers of employment are contingent upon completion of a background check as described here: https://faculty.williams. edu/prospective-faculty/backgroundcheck-policy/.

## **Equal Employment Opportunity** Statement

Williams College is a liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (http://www.williams.edu).

Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.



### **Department Head and Professor Computer Science**

JOB TITLE
Department Head and Professor- Computer Science

LOCATION

DEPARTMENT NAME School of Arts & Sciences

DIVISION NAME

IOR DESCRIPTION SHIMMARY

Worcester Polytechnic Institute (WPI) seeks outstanding candidates for the position of Department Head of Computer Science, to start in the Fall of 2022.

JOB DESCRIPTION

The Department Head of Computer Science is expected to provide long-term visionary leadership; nurture and enhance existing departmental strengths in research; maintain the highest level of quality in undergraduate and graduate programs; attract, mentor, and retain top faculty and staff; formulate and execute a strategic plan for diversity, equity, and inclusion; work collaboratively with members of the department and other departments and offices across WPI; develop external collaborations with other academic institutions and industry; and elevate the department's national and international recognition.

- Candidates must have the following qualifications:

   A PhD. In Computer Science or closely related area.

   A proven record of excellence in teaching, research, and service. Research expertise is expected to enhance current departmental strengths.
- A proven record of academic administrative leadership, ideally including evidence of leadership related to interdisciplinary initiatives in computing.

  • A proven record of commitment to and success in increasing diversity, equity, and inclusion in computer science.
- Excellent leadership, interpersonal and communication skills.

### About the Department

About the Department founded in 1969, the Computer Science Department at WPI is a collegial department consisting of 35 full-time faculty, 29 of whom are tenured/tenure-track. The department's research areas include artificial intelligence, machine/deep learning, objectseculty, algorithms, databases, graph theory, software engineering, mobile computing, computer graphics, programming languages, computer networks, formal methods, visualization, human-centered computing, and computer science education, among others. The CS faculty are deeply involved in WPI Interdisciplinary programs in data science, probless, interactive media and pame development, bioinformatics and computational biology, learning sciences and technology, and neuroscience. The Computer Science Department has close to 900 undergraduate majors and 150 greduate (M.S. and PJ) students. Including the CS-related interdisciplinary programs, there are over 1300 undergraduate and 500 graduate students majoring in computing-related degree programs at WPI.

Faculty research is supported by the NSF, NIH, DoE, and other federal and private funding sources with recent annual new research funding averaging \$14 million. The CS Department is part of the wibrant School of Arts & Sciences at WPI. In January 2022, some of the CS-related interdisciplinary programs, their faculty, students, and research labs will move to a brand-new, 100,000-square-foot, \$80 million state-of-the-art academic and research building that will foster and enhance interdisciplinary collaboration across campus.

research during risk with store and emance interlusciplinary contaboration across campus.

About the University
WPI is a selective private university with an innovative curriculum centered on science, engineering, arts, business, and global studies. Ranked highly by US News 8 World Report among national comprehensive universities, WPI has roughly 5000 undergraduates and 1500 graduate students. WPI is an internationally recognized leader in project-based learning and global education. Most undergraduate students at WPI participate in a global project sepreience completing acidemic projects at WPI S5 0+ project extenses across six continens. We are most proud of our No. 1 ranking for "faculty who best combine research and teaching." (Wall Street Journal/Times! Higher Ed, 2016). Located one hour west of Boston, the university's campus is in Worrestey, Massachusetts, at hinking 31st century college yield recognized as a growing hub of scientific and technological innovation. The University of Massachusetts Medical School, a large number of rethrology companies and many colleges and universities are located in the immediate area making it ideal for two-career families.

- How to Apply
  Applications should be made via https://www.wpi.edu/offices/talent/careers and consist of:

   A cover letter.
   A Curriculum Vitae.
   A statement describing leadership, teaching, research and service experience and accomplishments.
   A statement describing the candidate's vision and goals as CS Department Head, including the candidate's approach to diversity, equity, and inclusion in computer science specifically and in higher education more broadly.
   The names and full contact information of at least five professional references.

Applications will be reviewed as they are received, with applications received by December 1st, 2021 being given full consideration; applications received after that date may be considered until the position is filled. Questions about the position or the hiring process should be sent to mailto.CS-DH-recruiting@wpi.edu.

### FI SA STATUS

nited States of America (Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability, Wer are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making.

### To apply, visit: https://apptrkr.com/2539194

About WPI is a wibant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

### Diversity & Inclusion at WPI

Diversity as inclusion at APPT WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and the properties of and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

GREAT MINDS at WORK