

COMPUTING RESEARCH NEWS



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

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CRN At-A-Glance

2022 CRA Conference at Snowbird Preliminary Agenda

This year's CRA Conference at Snowbird will explore the tremendous opportunities for computing research to dramatically benefit the human condition, as well as the related responsibility for computing research to consider the risks inherent in the work we do. Ensuring socially responsible intentions and practices is critical to realizing the future potential of computing research.

see page 2 for full article

2022 CRA Board of Directors Election Slate; Petition Nominees Sought

CRA is pleased to announce the 2022 Election Committee's slate of nominees for the CRA Board. CRA also encourages nominations by petition.

see page 10 for full article

CRA-Industry Launches New Website and Logo

The [Computing Research Association](#)'s newly formed [Industry Committee](#) (CRA-I) is pleased to announce the release of our new logo and [website](#).

see page 11 for full article

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2022 CRA Conference at Snowbird

Preliminary Agenda



Conference theme: Socially Responsible Computing Research

This year's CRA Conference at Snowbird will explore the tremendous opportunities for computing research to dramatically benefit the human condition, as well as the related responsibility for computing research to consider the risks inherent in the work we do. Ensuring socially responsible intentions and practices is critical to realizing the future potential of computing research.

Sessions will be broken down into four tracks:

Track 1: Computing Departments – Undergraduate and graduate interest in computer science has skyrocketed. This track includes sessions that will explore how to support high-quality, diverse research and teaching in the context of booming enrollments.

Track 2: Computing Education – This track looks at areas that are emerging as an important part of the computing research curriculum, including ethics, security and privacy, and data science.

Track 3: Computing in Industry – As computing grows ubiquitous, computing research is increasingly important to industry. This track will cover how research is conducted in industry and the partnership between industry and academia.

Track 4: Computing for Good – This track will explore the ways that computing research can help create a better future by supporting social justice, removing bias, and driving environmental sustainability.



Preliminary Agenda

TUESDAY, JULY 19

8:00 am – 4:00 pm

CRA-Industry Group

Co-chairs: Vivek Sarkar (Georgia Tech) and Ben Zorn (Microsoft)

3:00 – 5:45 pm

New Chairs Workshop

This workshop will give new CS department chairs some of the skills needed to lead their organizations and work with deans, provosts, and advisory boards – the stuff they never told you in graduate school.

Co-chairs: Carla Brodley (Northeastern University), and Katie Siek (Indiana University)

6:00 – 7:00 pm

Welcome Reception

7:00 – 9:00 pm

Dinner/CRA 50th Anniversary Celebration

After-dinner Keynote: Dr. Sethuraman "Panch" Panchanathan, Director, National Science Foundation

Agenda (continued)

WEDNESDAY, JULY 20

8:30 am – 10:30 am

CRA: Looking Forward

Co-chairs: Nancy Amato (University of Illinois and CRA Board Chair), Tracy Camp (Incoming CRA Executive Director) and Ellen Zegura (Georgia Tech and Past CRA Board Chair)

CRA has finalized its Strategic Plan, thanks to tremendous effort and excellent input from a large number of community members. In this opening session, we'll share CRA's strategic themes, priority outcomes, and near-term initiatives. Our Strategic Plan, and its focus on socially responsible computing research, has defined CRA's direction for years to come. CRA will continue to excel in key areas, such as being a source for resources that inform the field, as well as establish itself as a catalyst for computing research organizations to enhance the field. We invite you to learn where CRA is headed, both in the long-term and the short-term, as well as who will help lead us there.

Awards Presentations

10:30 am – noon

The Trusting of Intelligent Machines: How AI Influences Human Behavior

Chair: Penny Rheingans (University of Maine)

Speaker: Ayanna Howard (The Ohio State University)

People tend to overtrust sophisticated computing devices, including robotic systems. As these systems become more fully interactive with humans during the performance of day-to-day activities, the role of bias in these human-robot interaction scenarios must be more carefully investigated. Bias is a feature of human life that is intertwined, or used interchangeably, with many different names and labels - stereotypes, prejudice, implicit or subconsciously held beliefs. In the digital age, this bias has often been encoded in and can manifest itself through AI algorithms, which humans then take guidance from, resulting in the phenomenon of **excessive trust**. Trust conveys the concept that when interacting with intelligent systems, humans tend to exhibit similar behaviors as when interacting with other humans; thus, the concern is that people may under-appreciate or misunderstand the risk associated with handing over decisions to an intelligent agent. Bias further impacts this potential risk for trust, or overtrust, in that these systems are learning by mimicking our own thinking processes, inheriting our own implicit biases. Consequently, the propensity for trust and the potential of bias may have a direct impact on the overall quality of the interaction between humans and machines, whether the interaction is in the domains of healthcare, job-placement, or other high-impact life scenarios. In this talk, we will discuss this phenomenon of integrated trust and bias through the lens of intelligent systems that interact with people in scenarios that are realizable in the near-term.

Noon – 1:30 pm

Lunch

1:30 – 3:00 pm

Parallel Tracks

Track 1: How to Improve Diversity even with Booming Enrollments and Why it is Important

Co-chairs: Nancy Amato (University of Illinois) and Carla Brodley (Northeastern University)

Agenda (continued)

Track 2: Incorporating Ethics into Computer Science Education

Co-chairs: Kathy Pham (Federal Trade Commission/Mozilla) and Bobby Schnabel (University of Colorado, Boulder)

Speakers: Casey Fiesler (University of Colorado, Boulder), Seny Kamara (Brown University), Helena Mantis (University of Maryland Baltimore County) and Kathy Pham (Federal Trade Commission/Mozilla)

In recent years, there has been a surge of attention into incorporating ethics into education in computer science and related fields. This is taking a variety of approaches, including integrating ethics topics into core technical computer science courses, and standalone ethics and computing courses that in some cases involve partnerships with other disciplines. This panel will summarize some of these recent developments, including examples from the Responsible Computer Science Challenge that is integrating ethics into undergraduate computer science courses, and experience in standalone courses at undergraduate and graduate levels. It also will discuss repository created by an ACM Education Board task force that collects and provides materials that aid faculty in teaching ethics in computing topics. The panel will consist of fairly brief presentations followed by considerable time for discussion with the audience.

Track 3: Computing Research in Industry

Chair/Moderator: Jaime Teevan (Microsoft)

Speakers: Susan Dumais (Microsoft), Fernando Pereira (Google) and Manuela Veloso (JPMorgan Chase)

Computation is in the process of transforming all areas of a business, from the way work gets done to the products and services that are created. As a result, companies are increasingly investing in fundamental computer science research in support of their strategic goals. This panel will look at what it means to do computing research in an industrial setting. Panelists will describe how research is conducted in their organizations, highlighting how problems are selected, how research is incentivized, and how results have internal and external impact. They will also discuss some of the key differences of doing research in an industrial setting compared with an academic setting, and share ideas for how universities might best prepare their students for a career in industrial research.

Track 4: Climate-Smart Computing to Address a Grand Challenge Facing Our Changing Planet

Co-chairs: Kate Larson (University of Waterloo) and Shashi Shekhar (University of Minnesota)

Speakers: Liz Bradley (University of Colorado, Boulder), Andrew A. Chien (University of Chicago), Lucas Joppa (Microsoft) and Vipin Kumar (University of Minnesota)

Climate change has been declared as the defining crisis of our time and concrete actions are needed now. Many communities have started major initiatives to address climate change. For example, the Biden administration has made it a central priority for all federal agencies resulting in initiatives for reducing greenhouse gases (GHG) emissions (e.g., electric vehicles), absorbing GHG (e.g., forests), increasing resilience (sea level rise, forest fires, extreme cold/hot weather), etc. This panel will bring together thought leaders in academia, industry and government to explore climate-smart computing opportunities by addressing questions such as the following:

Agenda (continued)

- What is climate-smart computing? What may it help understand, mitigate, and adapt to climate change? How may we reduce computing's carbon footprint?
- What are computing research success stories in this area?
- What are major computing opportunities in this area?
- How may new computing researchers get involved?
- What are key research infrastructures (e.g., datasets, cyberinfrastructure, funding)?
- Is there a need for computing research community action? If so, recommend one.

3:30 pm

Networking Activities

6:30 pm

Dinner

Reboot!

Speakers: Sujata Bannerjee (VMWare), Nadya Bliss (Arizona State University), Liz Bradley (University of Colorado, Boulder), Bill Gropp (University of Illinois) and Dan Lopresti (Lehigh University)

The CCC Council embarked on an activity this year to generate new ideas for us to explore as a community. In this session, CCC will have a set of lively, provocative conversations about three of these "blue sky" topics.

THURSDAY, JULY 21

9:00 am

Plenary Session: Reports from the Computing Research Community

This session will highlight recent developments and reports from across the computing research community. Each presenter will have 5-minute (or less) to pitch their report and findings, then audience members will participate in short, guided table-discussions around the themes introduced in the lightning talks. The goal of these talks/discussions is to provide a teaser of a larger body work that inspires audience members to want to learn more after the session.

10:30 am - noon

Parallel Tracks

Track 1: Development of Teaching Faculty

Chair/Moderator: Ran Libeskind-Hadas (Claremont McKenna College)

Speakers: Christine Alvarado (University of California, San Diego), Nancy Amato (University of Illinois), Dan Grossman (University of Washington) and Susan Rodger (Duke University)

Teaching faculty play a critically important role in undergraduate CS education at large research universities. These faculty members contribute to their departments in multiple ways including, but not limited to, teaching very large introductory sequence courses and promoting pedagogical innovations that can benefit the entire department. This session addresses effective practices in recruiting, retaining, and mentoring teaching faculty. Among the questions that will be addressed are:

Agenda (continued)

- What are effective models for teaching track faculty positions in terms of teaching, scholarship, and service expectations and responsibilities?
- What are effective practices in recruiting and mentoring teaching track faculty members?
- What are good practices in reviewing, renewing, and promoting teaching faculty?
- What are good practices and trends with respect to contract duration and security of employment for teaching track faculty?

Track 2: Security and Privacy Education

Chair/Moderator: Lorrie Cranor (Carnegie Mellon University)

Companies are reporting a growing shortage of qualified cybersecurity professionals, with hundreds of thousands of jobs going unfilled. New privacy laws around the world are also leading to rapid growth in the privacy profession, with an increased demand for privacy engineers. The demand for security and privacy professionals has prompted the creation of new degree programs at all levels. In addition, some universities are finding ways to incorporate security and privacy lessons throughout their computer science curricula. Panelists will discuss security and privacy undergraduate and graduate education, including course modules, full courses, and entire degree programs devoted to these areas.

Track 3: Industry-Academia Partnerships

Chair/Moderator: Divesh Srivastava (AT&T)

Speakers: Chris Ramming (VMWare), Jennifer Rexford (Princeton University), Vivek Sarkar (Georgia Tech), Alfred Spector (Two Sigma) and Benjamin Zorn (Microsoft)

In 2015, the CCC co-sponsored an industry round table that produced the document “The Future of Computing Research: Industry-Academic Collaborations.” Since then, several important trends in computing research have emerged as described in the CCC document “Evolving Academia/Industry Relations in Computing Research.” These trends include: (i) significant increases in the level of interaction between professors and companies in certain computing disciplines such as currently AI, which take the form of extended joint appointments, and (ii) increasingly, companies are highly motivated to engage both professors and graduate students working in specific technical areas, because companies view computing research and technical talent as a core aspect of their business success. This increasing connection between faculty, students, and companies has the potential to change (either positively or negatively) numerous things, including: (a) the academic culture in computing research universities, (b) the research topics that faculty and students pursue, (c) the ability to solve bigger problems with bigger impact than what academia can do alone, (d) the ability of universities to train undergraduate and graduate students, (e) how companies and universities cooperate, share, and interact, and (f) the potential for principles and values from academia informing products and R&D roadmaps in new ways through these unique joint arrangements. A recent survey carried out by CRA measures the degree and impact of this trend. This session brings together a diverse set of participants from industry and academia to understand these trends and help identify best practices that can be shared widely among computing research institutions.

Agenda (continued)

Track 4: From Fairness to Responsibility: Actioning and Advancing the Discussion around “Algorithmic bias”

Co-chairs: Brent Hecht (Microsoft) and Ece Kamar (Microsoft)

Moderator: Brent Hecht (Microsoft)

Speakers: Ece Kamar (Microsoft), Miranda Bogen (Meta) and Michael Kearns (University of Pennsylvania)

At the beginning of the last decade, the domain popularly known as “algorithmic bias” was a niche research area being advanced by a tiny group of scholars. By the end of the decade, “algorithmic bias” had become one of the most prominent domains of computing and a subject of great interest to policymakers and the general public. Anytime a field grows this quickly, it can be useful to stop and reflect on the field’s strategic directions. In this panel, we will take part in this reflection. Some of the questions we will debate include:

- Is the computing community focusing on symptoms of problems related to “algorithmic bias” rather than their causes?
- Rather than attempting to tweak models, is our time better spent developing new technologies and systems that directly address societal harms?
- How can industry and academia productively collaborate on responsible AI, especially given concerns about “ethics washing”? How can industry productively contribute more generally?
- Can a repositioning of the field around responsibility rather than fairness encourage more robust solutions to the problems at the core of “algorithmic bias”?
- How can the research and engineering practices around fairness (and responsibility) match the urgency and needs emerging from AI systems entering the world in diverse ways?
- Are there ways in which productizing ideas in the fairness literature can lead to more harm than good, e.g., through a belief that a model’s “bias can be fixed”? If so, how can we prevent this from happening?

Noon – 1:30 pm

Lunch

1:30 – 3:00 pm

Parallel Tracks

Track 1: Undergraduate Research and Booming Enrollments: Who Wins?

Co-chairs: Christine Alvarado (University of California, San Diego) and Kelly Shaw (Williams College) Moderator

Speakers: Edward Coyle (Georgia Tech), Sarah Heckman (North Carolina State), Joe Hummel (University of Illinois, Chicago) and Brandon Fain (Duke University)

While the boom in enrollment has created significant challenges to CS units, it also provides opportunity to increase the supply of talented and well-educated computing researchers.

The challenge faced by units with surging enrollments is how to scale undergraduate research opportunities to reach the increasing number of exceptionally capable and well-motivated students. The major goals for this session are: (1) increasing awareness of different approaches/programs that units have established towards scaling undergraduate research in CS and CS-related fields and (2) enabling replication of such programs with best practices.

Agenda (continued)

The session will highlight successful scaling strategies with particular focus on successful research training support courses, incentive structures for faculty and students, mentoring structures, and recruitment and matching models. Panelists will discuss what activities can be done in groups for training and mentoring undergraduate researchers and models for offering those activities as well as promising approaches for faculty incentives to participate in undergraduate research.

Track 2: Data Science in Computer Science Education

Chair/Moderator: David Ebert (University of Oklahoma)

Tentative Speakers: Michael Franklin (University of Chicago), Magda Bałazińska (University of Washington), Remzi Arpacı-Dusseau (University of Wisconsin) and Atul Prakash (University of Michigan)

The 2016 CRA Report on Computing Research and the Emerging Field of Data Science, highlighted the fact that data science will drive fundamentally new research in computer science and that the computing community has the opportunity to shape the emerging field of data science. Numerous schools have created minors and majors in data science. This session will explore how data science has impacted the educational programs in computer science and consider experiences, approaches, and answers to questions including:

- Which courses should change/have changed to include data science issues?
- What new course and requirements are the most effective?
- Are most departments creating a series of specialized topic courses (e.g., ICR)?
- Should we create new specializations/degrees or integrate into core programs?
- How has student interest in specialization shifted to data science or is the shift just specifically to Machine Learning and AI?
- How should we manage the growing demand, and will it continue?

Track 3: Techlash in Context: What Should CS Departments and Tech Companies Do?

Chair/Moderator: Vivek Sarkar (Georgia Tech)

Speakers: Lorrie Cranor (Carnegie Mellon University), Alfred Spector (Two Sigma) and Moshe Vardi (Rice University)

In past decades, CS departments and tech companies have been admired as drivers of positive change. However, there is now a growing undercurrent of negative associations with tech companies, which is also being transferred to CS departments in their interactions with industry. Several recent mainstream news articles have documented on-campus student protests criticizing various actions by tech companies, both in how their products are used and in how companies have responded to internal missteps. In some cases, these protests also target CS departments and faculty members involved in partnering with or hosting these companies. Adding fuel to fire, the current rapid growth and adoption of AI technologies threatens to further amplify this backlash. While our community has always benefited from members who have advocated for increased social responsibility in computing, a broader response is needed to address the growing techlash on campus and in society. In this interactive session, we will place techlash

Agenda (continued)

in context, and discuss what actions CS departments and tech companies can take to rebuild a positive image for tech in academia and industry. Much of the discussion will be driven by audience questions, so audience participation will be highly welcomed!

Track 4: Addressing the Challenge of Mis- and Disinformation, Online and Beyond

Chair/Moderator: Kate Starbird (University of Washington)

Mis- and disinformation are a critical challenge for democratic societies. Acute misinformation can lead to poor decision making, for example about whether or not to take a vaccine. At scale, it can render a society unable to effectively respond to collective crises, from pandemics to climate change. Pervasive disinformation (intentionally misleading information) erodes trust in institutions, including science, journalism, government, and democracy – and can make it difficult for citizens of democratic societies to come together to do the difficult work of governing themselves. In recent years, we seem to be experiencing an acceleration and expansion of mis- and disinformation, with many pointing to the role of the Internet and social media in particular in their spread. As we continue to come to terms with the scale and nature of the issue, the work of identifying potential “solutions” looms. It’s clear that there is no one, simple solution – but there is hope that we can mitigate its damage by productively chipping away at the problem from multiple angles. This conversation explores the some of the proposed solutions to the challenge of mis- and disinformation, addressing them along several distinct dimensions – e.g. from education, to policy, to platform (re)design.

3:30 – 5:00 pm

Making a Federal Case for Computing

Speaker: Peter Harsha (CRA)

Peter Harsha is the Senior Director of Government Affairs for the Computing Research Association. In his position, Peter works to help CRA influence computing research policy by improving public and policymaker understanding of the nature of research, and by increasing the computing community's awareness of and participation in policy issues. Prior to joining CRA in October 2001, Peter spent six years working for Congress, beginning as a member of the personal staff of Congressman Nick Smith of Michigan. In the 106th and 107th Congresses, Peter served as a member of the professional staff of the House Science Committee as Chairman Smith's designee on the Subcommittee on Research, working on a portfolio of issues that included oversight of the National Science Foundation, Information Technology, the U.S. Fire Administration, and the National Earthquake Hazards Reduction Program. Peter has three boys, and a cat named for 80's hockey goon Marty McSorley.

6:30 pm

Dinner

2022 Conference at Snowbird

Organizing Committee:

- Penny Rheingans (University of Maine) Co-Chair
- Shashi Shekhar (University of Minnesota) Co-Chair
- Jaime Teevan (Microsoft) Co-Chair
- James Allan (University of Massachusetts, Amherst)

- Christine Alvarado (University of California, San Diego)
- Carla Brodley (Northeastern University)
- Peter Harsha (CRA)
- Kate Larson (University of Waterloo)
- Ran Libeskind-Hadas (Claremont McKenna College))
- Divesh Srivastava (AT&T)

2022 CRA Board of Directors Election Slate

CRA is pleased to announce the 2022 Election Committee's slate of nominees for the CRA Board:

Academic (3 openings)

Lorrie Cranor (Carnegie Mellon University)*
 Maria Gini (University of Minnesota)
 Gillian Hayes (University of California, Irvine)
 Penny Rheingans (University of Maine)*
 Shashi Shekhar (University of Minnesota)*

Industry (3 openings)

Valentina Salapura (AMD)
 Divesh Srivastava (AT&T Labs-Research)*
 Wang-Chiew Tan (Meta AI)
 Jaime Teevan (Microsoft/ University of Washington)*
 Ben Zorn (Microsoft)

*Denotes current board members

Petition Nominees Sought for CRA Board of Directors

CRA also encourages nominations by petition. Petition nominations must be signed by the Designated Voting Representatives of at least five Constituent Member Organizations that are current in dues payment.

A complete nomination package for petition candidates must be submitted [here](#) no later than February 28, 2022. Separately, each of the five supporters of the petition must send an e-mail to elections@cra.org simply stating their support for the petition candidate to run for a seat on the CRA Board of Directors.

Questions may be sent to elections@cra.org.

Important dates and events:

- On March 7, 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.
- By March 21, 2022, completed ballots must be returned to CRA.
- In late-March, the election results will be announced.

CRA-Industry Launches New Website and Logo



The Computing Research Association's newly formed Industry Committee (CRA-I) is pleased to announce the release of our new logo and website.

CRA-I was created in the Fall of 2020 with the goal of reaching out to industry partners involved in computing research and giving them new opportunities to convene and connect on topics of mutual interest with academia and government.

The committee recognizes the diversity of companies that participate in the computing research ecosystem and seeks to enable those companies, big and small, to get the greatest benefit from sharing their experiences with each other. Furthermore, CRA-I recognizes that many companies not traditionally contributing or benefitting from computing research are now actively engaging with the computing research community. We seek to help such companies engage, contribute, and participate in the computing research community for the benefit of all.

While this is a new committee, we have already begun hosting virtual roundtables and in-person workshops. Please click [here to subscribe to email updates](#) from CRA-I. Also, please check out the [newly released website](#) and don't hesitate to reach out to us (industryinfo@cra.org) if you have any questions.



Expanding the Pipeline: Design to Disrupt - Making Space for Every Student in CS

By Dr. Nicki Washington

In 2011, my team of six instructors led a yearlong CS course for 120 Black/Latinx middle-school students in Washington, DC. After first-day introductions, we asked them to name a computer scientist. Despite six Black men/women in front of them, we heard only three names: Bill Gates, Steve Jobs, and Mark Zuckerberg. It was then that I realized if they didn't see us as computer scientists, then how would they ever be able to see themselves as one? We knew we had work to do.



Photo credit: Code.org

We spent the entire year dismantling the narrative that CS was restricted to White and Asian men and reinforcing how not only were **they** computer scientists, but also change agents. Students learned much more than **what** CS was, but also **whom** it should represent and **why** these identities mattered.

We were fortunate to have a team that didn't fit the "traditional" narrative leading that effort. However, this won't always be the case. As we continue to make strides in CS education, the following strategies can help to ensure that the **who** and **why** are prioritized, regardless of the student or instructor.

"See" The Students

Diversity is often painted with broad strokes. For example, if the goal is increasing the participation of girls in CS, then a "one-size-fits-all" approach is inadequate. Experiences vary based on all parts of students' identities (e.g., race, ethnicity, gender, sexual orientation, class, and ability). Imagine how much easier it is to persist when you feel "seen" and can unapologetically take up space without having to constantly explain yourself. If decision-makers are unwilling to acknowledge and account for the vast range of student identities (especially when they differ from their own), then they're chasing windmills.

Be Audacious

It's easy to follow the common blueprint for what's worked (or hasn't). Where are the gaps? What's your "game changer" idea that hasn't been done? It doesn't have to be tested to be impactful. For example, retention is still an issue at the undergraduate level, specifically for students from marginalized groups. These issues usually stem from non-technical challenges (e.g. sense of belonging, prejudice, and discrimination) that impact academic performance. How can that translate to K-12 CS education? In addition to CS fundamentals, why aren't we teaching how to be better allies/advocates? What about parents/caregivers? During that year, a middle-school father told me he wanted to help his son at home, but he knew nothing about CS. Cross-generational opportunities to extend learning beyond the classroom to "table talk" is a powerful way to reach not only students, but entire families.



Expanding the Pipeline (*continued*)

Teach Students Cultural Competence

The “[Impacts of Computing](#)” concept of the K-12 Framework discusses (by grade band) the inequities that technology can create. Taking this a step further, we should also teach how a lack of cultural competence impacts technology development (thereby leading to these inequities). Incorporating discussions around the “**why**” gets students thinking about **how** being more inclusive in the development process can circumvent these issues. Dr. Gloria Ladson-Billings highlights cultural competence as one of the three tenets of culturally relevant pedagogy for educators. However, we must also teach students the importance of it to ensure that they become better allies/advocates. It’s assumed (even at the undergraduate level) that students already possess cultural competence. However, students don’t know how to fix what they haven’t been taught is broken.

Seek, Trust, and Credit the Expertise of People from Marginalized Groups

As a Black woman in CS, I can affirm that most Black men/women have been living and breathing this work since we typed our first “Hello World.” Our messages (like people from other historically disenfranchised groups) just weren’t amplified nationally. As you do this work, who did you consult? How did you leverage their input? Fun fact: We aren’t hard to find. We’ve often just been marginalized, even in this space. Given this, it’s imperative that you acknowledge and leverage the expertise that comes from not only academic and professional, but also personal experiences. Most important, don’t just contact us to “pick our brains.” If you value our perspectives and work enough to request assistance, then respect our contributions, bring us to the table, and properly credit and amplify our voices.

Intention != Impact

Doing this work properly requires being intentional with every detail, from the team assembled, to the content created, training provided, and delivery to students. It requires a level of forethought and understanding that student success is not based on simply mastering CS fundamentals. I’ve been told that this makes some “uncomfortable,” which they aren’t willing to do. However, when has actual change occurred in this country by maintaining the majority’s comfort? We educators and leaders can’t drop the ball under the guise of “well-intending” solutions that prioritize the comfort of some at the expense of many. Our discomfort in designing for diversity, equity, and inclusion pales in comparison to the discomfort marginalized students (and professionals) experience daily when we **don’t** do the work.

We should always choose to disrupt.

This article was originally posted Feb 24, 2020 on [CSforALL’s Medium](#) for Black History Month 2020. Republished with permission.

About the Author

Dr. Nicki Washington is a professor of the practice of computer science at Duke University and the author of *Unapologetically Dope: Lessons for Black Women and Girls on Surviving and Thriving in the Tech Field*. She is currently the director of the Cultural Competence in Computing (3C) Fellows program and the NSF-funded Alliance for Identity-Inclusive Computing Education (AiICE). She also serves as senior personnel for the NSF-funded Athena Institute for Artificial Intelligence (AI). Her career in higher education began at Howard University as the first Black female faculty member in the Department of Computer Science. Her professional experience also includes Winthrop University, The Aerospace Corporation, and IBM. She is a graduate of Johnson C. Smith University (B.S., ‘00) and North Carolina State University (M.S., ‘02; Ph.D., ‘05), becoming the first Black woman to earn a Ph.D. in computer science at the university and 2019 Computer Science Hall of Fame Inductee. She is a native of Durham, NC.

Mechanism Design for Improving Hardware Security Orientation Recap



By Maddy Hunter, CCC Program Associate

On January 13th, the Computing Community Consortium (CCC) held an orientation webinar as an introduction for a CCC visioning workshop on **Mechanism Design for Improving Hardware Security** to be held in the summer of 2022 (exact date and location TBD). Hosted by workshop organizers **Simha Sethumadhavan** (Columbia University) and **Tim Sherwood** (University of California Santa Barbara), the orientation consisted of pre-recorded presentations and a Q&A with the speakers. The slide deck, [pre-recorded presentation video](#), [recording of the Q&A session](#) and a [transcript of the Q&A](#) are linked and posted on the [workshop webpage](#).

The orientation outlined the goals of the workshop and expanded on what the organizers are looking for in the white papers. We are seeking short white papers to help create the agenda for the workshop and select attendees.

At this workshop, participants will investigate ways to improve the design and uptake of hardware security mechanisms. In addition to looking at traditional technical solutions, the workshop will also consider new mechanisms to incentivize designers, system integrators, and users to create and maintain security of their systems. The workshop will bring together hardware and software security experts and economists and experts in devising and implementing governmental policies.

For participation in this workshop, we request white papers of no more than two pages. Please fill out [this Wufoo submission form](#) to submit a white paper. Topics of interest include, but are not limited to:

- How do current policies and market structures disincentive hardware oriented security solutions? How do we fix this: what technical and policy frameworks are necessary to make progress in this area?

- What are the mechanisms necessary to enforce a government mandate that says that X% of the performance or cost should be set aside for security? What mechanisms are necessary to determine X? How often should X be determined? Is there a quantitative approach for the organization to use up this security budget? How would this be enforced on user systems? Are there alternate government mandates that are actionable and can be supported technically?
- Is there an equitable way to proportion the benefits of security and impacts of security attacks? What hardware support, if any, is necessary to facilitate this process?
- How do we establish a chain of responsibility for malicious and negligent action while also maintaining privacy?
- How can hardware innovations (e.g. U2F tokens) fundamentally impact software dark economies?
- What incentives are necessary to patch hardware bugs in a timely manner?
- What education/certification requirements are necessary for increasing the awareness and application of hardware security solutions?
- Are there parallels to software certification requirements for hardware? What would these assurance/certification requirements look like?

To learn more about the workshop and its goals check out the [workshop webpage](#) and join the workshop planning [slack channel](#). We hope the slack channel will be a place to start conversations, discuss potential topics and answer any questions.

NITRD 30th Anniversary Commemoration

By Maddy Hunter, CCC Program Associate



On Thursday, December 2nd, a virtual celebratory event was held for the 30th anniversary of the Networking and Information Technology Research and Development (**NITRD**) program. The event was organized by NITRD National Coordination Office (**NCO**) with support from Computing Research Association's Computing Community Consortium (**CCC**) to highlight and reflect on the impact federal investment in the network information technology research and development has had on society over the past three decades.

The event began with opening remarks from the Director of NITRD, **Kamie Roberts**, and featured guest speakers from the founding agencies **Michael Huerta** (National Institute of Health), **Steve Binkley** (Department of Energy), **Eugene Tu** (National Aeronautics and Space Administration), **Jim St. Pierre** (National Institute of Standards and Technology), **Zachery Goldstein** (National Oceanic and Atmospheric Administration), and **Manish Parashar** (National Science Foundation). There was also a short commemoration video, acknowledgments featuring former NITRD leaders and remarks regarding the vision and future of NITRD going forward from **Margaret Martonosi** (Assistant Director for CISE, NSF).

Thank you to everyone that made this event possible and to NITRD's contributions to the computing research field over the past 30 years! You can watch the full event [here](#).



CCC White Paper on Research Opportunities in Evidence-Based Elections is Now Available



By Maddy Hunter, CCC Program Associate

The Computing Community Consortium (CCC) recently released the *Research Opportunities in Evidence-Based Elections* white paper, written by Josh Benaloh (Microsoft Research), Philip B. Stark (University of California, Berkeley), Vanessa Teague (Australian National University), Melanie Volkamer (Karlsruhe Institute of Technology), and Dan Wallach (Rice University).

This white paper highlights the need for evidence-based elections, which can convince people that the results of elections are accurate, and suggests several technologies that could play a role in this, mostly focused on risk-limiting audits and end-to-end verifiability.

“A risk-limiting audit (RLA) is any procedure with a known minimum chance of correcting the reported electoral outcome if the reported electoral outcome is wrong—that is, if the reported winner(s) did not really win—and zero chance of altering a correctly reported outcome...RLAs frame audits as statistical hypothesis tests. The “null” hypothesis is that the reported outcome is incorrect, i.e., that one or more reported winners did not really win. An RLA terminates either by finding strong statistical evidence that the null hypothesis is false—that every reported winner did in fact win—or by conducting a full manual tabulation of the votes, which reveals the true winners if the paper trail is trustworthy.” (p. 5).

“End-to-end (E2E) verifiable voting systems are made up of a set of technologies which together allow voters to check for themselves that their votes have been accurately counted...An election is end-to-end verifiable if two properties are achieved: 1) Voters are able to confirm that their intended selections have been accurately recorded, and 2) Anyone can confirm that all recorded ballots have been accurately tallied.” (p. 11)

Through a combination of RLAs and E2E-verifiable voting systems, elections could offer more evidence of their accuracy, thus instilling more trust and confidence in the election processes and outcomes. The paper highlights a variety of open questions and possible research challenges to implementing these systems on a broad scale. The paper also briefly addresses the limitations of internet technologies in verifiable elections and other open research questions with regards to voting systems.

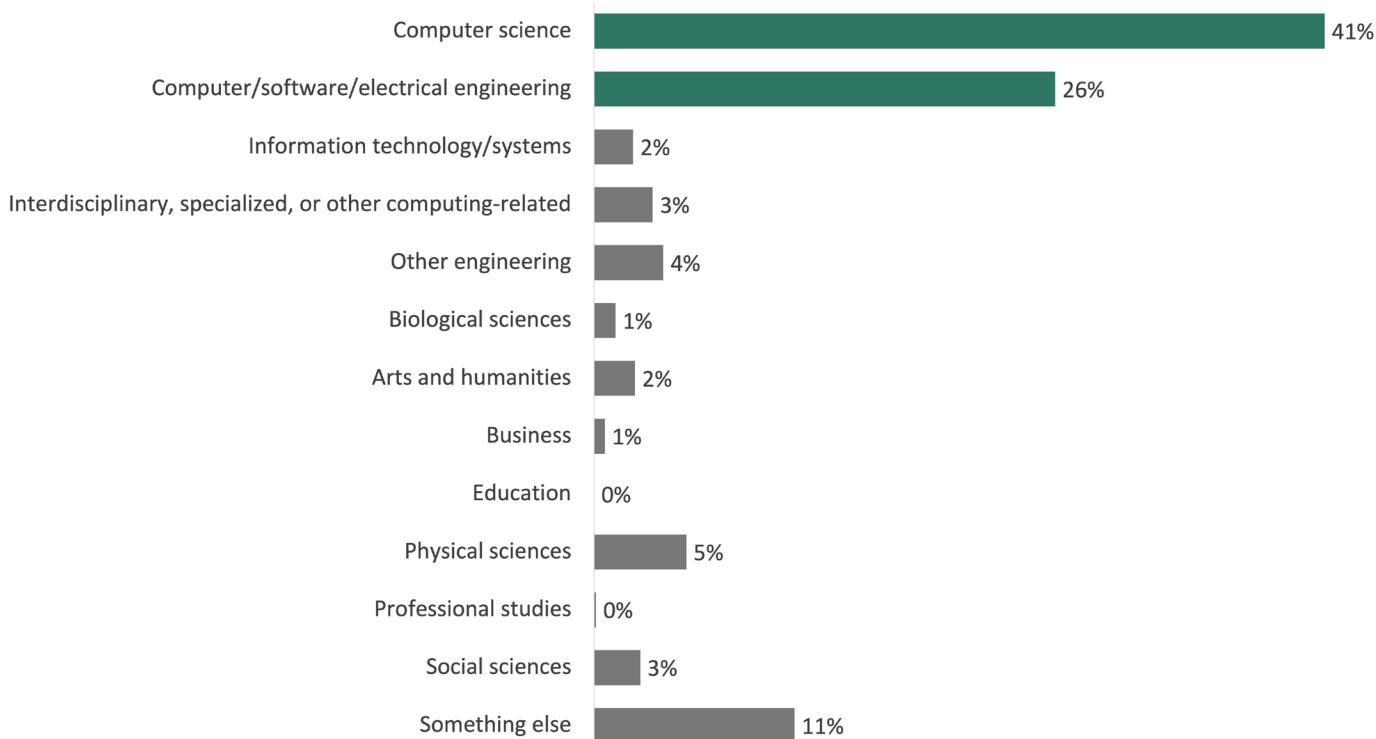
Read the full white paper [here](#).

Although Most Computer Science Doctoral Students Earned Their Undergraduate Degree in a Computing Field, One Quarter Earned Their Degree in Another Field



By Heather Wright, Associate Director of CERP

Distribution of Undergraduate Degree Fields of Computer Science Doctoral Students



Note: Sample includes Data Buddies Survey (DBS) survey respondents who were doctoral students in Computer Science at the time of the survey ($n = 900$).

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

In this infographic, CERP examined the fields of undergraduate degrees earned by students seeking a doctoral degree in computer science to understand academic pathways into doctoral computer science programs. Using data collected from the CRA Data Buddies Survey, CERP selected a sample of graduate students earning a doctoral degree in computer science at the time of the survey. If doctoral students had previously earned a terminal master's degree, they were removed from the sample.

As shown in the bar chart, 41% of computer science doctoral students earned their undergraduate degree in computer science, followed by 26% earning their undergraduate degree in a computing-related engineering field (e.g., computer engineering; see notes for full list). Less than 10% of the sample came from other computing-related and engineering fields. Surprisingly, 25% of the sample earned their undergraduate degree in a non-computing or other field such as arts and humanities. Although these data do not explore students' motivations for pursuing computer science, this infographic highlights different, and perhaps unexpected, pathways into the computer science doctoral degree.

Undergraduate Degree (*continued*)

Notes:

Survey respondents were asked “In which field did you earn your most recent undergraduate degree?” with 21 response options. For the purpose of this analysis, some undergraduate major options were grouped together: “Computer/software/electrical engineering” included computer engineering, software engineering, electrical and computer engineering, and electrical engineering and computer science; “Information technology/systems” included information technology and computer information systems/informatics; “Interdisciplinary, specialized, or other computing-related” included bioinformatics/computational biology, computing and business, data science/data analytics, game design, and other computing & technology field. Due to survey error, mathematics major was not collected through this question and is likely reflected in the “something else” category.

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](#).

Are you interested in learning more about this topic in future infographics? Let the CERP team know by using their [contact form](#).

This material is based upon work supported by the National Science Foundation under grant numbers CNS-1246649, DUE-1431112, and/or DUE-1821136. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

House of Representatives Passes America COMPETES Act of 2022, Calling for Significant New Research Investments at the National Science Foundation and Other Federal Research Agencies



By Brian Mosley, CRA Senior Policy Analyst

On February 4th, the House of Representatives passed the [America COMPETES Act of 2022](#), a legislative package containing a bold reauthorization of the National Science Foundation and calling for significant new investments in the country's research enterprise, among other provisions. While the bill passed the House on a partisan vote, it does set up a better legislative counterpart to the Senate's NSF reauthorization bill, the [US Innovation and Competitiveness Act \(USICA\)](#), which passed last summer. The hope within the S&T policy community is that a final piece of legislation can be agreed to quickly by both chambers of Congress and then be sent to the President's desk for signing into law. However, final passage is not guaranteed at the moment.

This new COMPETES Act is a call back to the original [America COMPETES Act of 2007](#), a landmark piece of bipartisan legislation which called for the doubling of the research budgets of NSF, NIST, and DOE Office of Science, as well as a major investment in the country's STEM education. While those commitments weren't fully realized, the present House Democratic leadership is clearly hoping to rekindle the spirit of national importance from 2007.

It's worth noting that both the COMPETES Act, and the Senate's USICA, are considered "China competition" bills, as the main goal of both is to bolster the country's competitiveness with China and respond to its rise as a peer-rival to the United States. Support for research, and the National Science Foundation specifically, figures heavily into both bills.

Of most note within this new COMPETES' language are the titles containing the [NSF for the Future Act and the DOE Science for the Future Act](#). Both bills are the same, or have minor additions, to what was [passed by the House last summer](#) and the language still calls for significant increases to the budgets of NSF (+111 percent over five years) and DOE Office of Science (+59 percent over five years). CRA endorsed the [NSF for the Future Act in May of 2021](#).

In addition to those two parts, there are additional titles in Division B of the bill, which is devoted to "Research and Innovation." Division B is the House Science Committee's section of the legislation and is made up of several bills the committee has moved over the last several years (you can read detailed breakdowns on the [Science Committee's website](#)). Some of the legislation of note includes:

NIST for the Future Act - Much like its NSF and DOE counterparts, this is a reauthorization of NIST and calls for bold funding for the research agency for the next five years.

STEM Opportunities Act - Calls for policy reforms, research, and data collection to identify and lower barriers facing women, minorities, and other groups underrepresented in STEM studies and research careers.

Combatting Sexual Harassment in Science Act - This is to combat sexual harassment in the country's science enterprise. It does so through a research grant program at NSF to study the problem, data collection on the prevalence of harassment, and directs OSTP to issue policy guidelines for research agencies awarding extramural research grants, emphasizing the importance of information sharing among Federal science agencies, among other provisions.

Supporting Early-Career Researchers Act - Establishes a two-year, \$250 million agency-wide early career fellowship pilot program at NSF, providing a bridge for recent Ph.D. graduates to stay in their research career while navigating the disruptions to the academic research job market due to the pandemic. Modeled after [CRA's CI Fellows program](#), the legislation calls for two cohorts of 1,600 fellows working in all STEM disciplines to carry out their research at the U.S. institutions of their choosing.

COMPETES (*continued*)

Malign Foreign Talent Recruitment Program Prohibition - A general prohibition for American-based researchers, who accept federal research dollars, from participating in talent recruitment programs run by China, Russia, and Iran, as well as any other country deemed by the State Department to be a malign state.

Looking elsewhere in the legislation, Division A of the bill is the House version of the CHIPS Act. It calls for \$52 billion in R&D funding for the semiconductor industry, as well as financial support to encourage the industry to bring some of its manufacturing back to the United States. The R&D funding sections are identical to what's in the Senate's USICA bill; however, the House language goes further and provides an additional \$45B in loans and grants to support domestic manufacturing of critical goods. While the money and assistance to the semiconductor industry is quite popular, and has enjoyed bipartisan support in Congress, this extra provision is likely to cause partisan problems (more on that in a moment).

In short, the COMPETES Act is a huge piece of legislation, covering a large number of topics, not all of it of concern to the research community. There are additional sections on foreign policy and import taxes on commercial products, to give just two examples. But it does provide for a better legislative counterpart to the Senate's USICA bill and will allow an easier conferencing process. At least, from a nuts-and-bolts-legislative-process perspective it will be easier.

Here is where the politics come into play: **House Republicans don't like this bill**. Even normal science allies, like House Science Committee Ranking Member Frank Lucas (R-OK), an original co-sponsor of the NSF for the Future Act, **don't like this bill**. Many of the complaints are centered around the additional funding in the CHIPS Act section, though other sections are receiving criticism. There is likely some electoral politics in the calculus, with the mid-term elections in November on everyone's minds and Republicans expecting to recapture the majority in both chambers. The bill passed the House on a final vote of 222-to-210.

While the COMPETES Act's passage is good news, there are now concerns that the bipartisan goodwill in Congress has been exhausted and there will be partisan delays ahead for any compromise bill. It's unclear at present whether Senate Republicans, who have been supportive of the Senate USICA bill, will take up their House counterparts' objections during the conference process. Time will tell.

Conference negotiations with the Senate should start soon; CRA will be following events closely, so be sure to check the **CRA Policy Blog** for more updates.

Darko Marinov and Jelani Nelson Receive the 2022 CRA-E Undergraduate Research Faculty Mentoring Award



The **Education Committee of the Computing Research Association** (CRA-E) is proud to announce two recipients of the 2022 **CRA-E Undergraduate Research Faculty Mentoring Award**: Darko Marinov from the University of Illinois at Urbana-Champaign and Jelani Nelson from the University of California Berkeley.

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



Darko Marinov is a Professor in the Department of Computer Science at the University of Illinois at Urbana-Champaign. His main research interests are in software engineering, in particular improving software quality using software testing. He published over 100 conference papers, winning three “test-of-time” awards -- two ACM SIGSOFT Impact Paper awards (2012 and 2019) and one ASE Most Influential Paper Award (2015) -- and eight more paper awards – seven ACM SIGSOFT Distinguished Paper awards and one CHI Best Paper Award (2017).

Marinov has mentored in research over 60 undergraduate students over the past 20 years at the University of Illinois and MIT. Twenty-five of his undergraduate students have already enrolled in highly competitive graduate programs, including MIT, Stanford, UC Berkeley, Illinois, Princeton, Cornell Tech, Northwestern, University of Massachusetts Amherst, University of South California, National University of Singapore, and EPFL in Switzerland. Several of these students have themselves become faculty members, including at

UT Austin, UC Berkeley, Columbia, Illinois, and Imperial College London. Marinov has co-authored 30 papers with 24 undergraduate students, including papers published in premier software engineering conferences such as ICSE, ESEC/FSE, ASE, ISSTA, and ICST. His students have made innovative contributions by releasing open-source software and datasets and contributing to the existing open-source projects. Marinov's students have been recognized by winning multiple national and departmental awards, including one NSF Graduate Research Fellowship, one national Runner-up CRA Outstanding Undergraduate Researcher Award, as well as two Finalists and one Honorable Mention, and two departmental Best Undergraduate Research Project Awards. Marinov's advising has been recognized at the University of Illinois with a prestigious Campus Award for Excellence in Guiding Undergraduate Research in 2020.



Jelani Nelson is a Professor in the Department of Electrical Engineering and Computer Sciences at the University of California Berkeley. His main research interests are in Theory. He is a winner of multiple highly prestigious awards and honors, including Presidential Early Career Award for Scientists and Engineers (2017), Alfred P. Sloan Research Fellowship (2017), ONR Young Investigator Award (2015), NSF CAREER award (2014), and the Best Paper Award at ACM Symposium on Principles of Database Systems (2010) among the others.

Nelson had advised both formally and informally many undergraduate students. Three of his students became the winners of the CRA Outstanding Undergraduate Research Award. The students that he mentored and advised over the years have enrolled into the Ph.D. programs at top universities, including MIT, Berkeley, Stanford among the others. Nelson maintains a small

Marinov and Nelson (*continued*)

research group and interacts frequently and in a hands-on manner with his mentees and does not have a hierarchical structure to his group. Although he believes strongly that PhD students should identify or define their own research problems, he does initially assist undergraduates in this process. He says “I usually suggest many different broad areas first and ask them which they find most interesting, then I suggest problem directions within those areas and let them choose. Later on, I do try to encourage them to develop the skill of reading papers and finding their own problems. I also include undergraduate researchers in the reading group meetings, and I mostly treat them just as I do my graduate students (that is, I set the bar high so that they rise to it).” Nelson has also been running “AddisCoder” (see addiscoder.com), which introduced over 500 Ethiopian high schoolers to theoretical computer science (specifically algorithms), and several of his alumni have eventually enrolled in PhD programs (and one has already obtained a PhD degree in math).

The 2022 selection committee includes Monica Anderson (University of Alabama), Gary Holness (Clark University), Lenore Cowen (Tufts University), and Denys Poshyvanyk (Chair, William & Mary).

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Column Editors

Expanding the Pipeline
Soha Hassoun, Tufts University
Patty Lopez, New Mexico State University

Professional Opportunities

Argonne National Laboratory

Postdoctoral Appointee - Computer Systems

The Mathematics and Computer Science division at Argonne National Laboratory seeks well-prepared candidates for a postdoctoral position in computer systems to explore energy efficiency of accelerators available in an AI Testbed. The successful candidate will be performing computer systems research and development for cutting-edge architectures. This work will include experimental research to explore the performance and power requirements for different AI-enabled science kernels on different AI accelerators. The successful candidate will actively collaborate with computer scientists and domain scientists and have the opportunity to build an independent research program.

Ideal candidates are expected to have in-depth knowledge of computer architecture and experience in machine/deep learning, high-performance computing, scientific computing as well as programming experience in Python, Tensorflow, and Keras. Should possess good communication skills both verbal and written in addition to software development experiences with computational and data-intensive science problems.

Desirable knowledge and skills include the ability to understand computer systems based upon architectural specifications, experience in computer architecture research, knowledge of parallel

programming models such as OpenMP or MPI, and the ability to provide project leadership as well as have collaborative skills including the ability to work well with other laboratories and universities, supercomputer centers and industry.

A recent or soon-to-be completed PhD is required for this role.

Applicants should provide contact information of three references in their application.

Please apply at https://argonne.wd1.myworkdayjobs.com/Argonne_Careers/job/Argonne-National-Laboratory/Postdoctoral-Appointee---Computer-Systems_409427

Argonne National Laboratory

Postdoctoral Appointee - Neuromorphic Systems

The Mathematics and Computer Science Division seeks a postdoctoral appointee to drive cross-disciplinary simulation in a co-design effort spanning materials to HEP detectors. The incumbent will be a key contributor in a multidisciplinary co-design team that spans materials, circuits, and system-level with the goal of revolutionizing capability for high-energy physics (HEP) and nuclear physics (NP) detectors and associated science. The Postdoc will work with leading scientists to create models at circuit/network, spiking neural networks, and computing system levels. The role includes participation and dissemination of research results at scientific conferences.

The position is in the Mathematics and Computer Science Division (MCS) at Argonne National Laboratory. Argonne is a US Department of Energy Laboratory with world class research in materials, devices, and computing.

Postdoctoral appointees will be fully integrated in the large research community in the MCS Division (more than 100 scientists and postdocs) and have the opportunity to collaborate with leaders in the field. This project involves collaboration with two divisions, one of which is the Materials Science Division (MSD) that includes research on superconducting and magnetic materials, quantum metamaterials, ferroelectrics, correlated oxides and catalytic materials, along with new thrusts in topological materials and electrochemical oxides. The second is the High Energy Physics Division (HEP) that have contributed to the deep understanding of the natural world and have built some of the world's largest, most complex and sophisticated devices, including powerful accelerators, massive particle detectors and sensitive cosmological survey instruments.

Required skills include experience with computational modeling of device and circuits and analysis of computer systems performance. Skills or experience with neuromorphic computing/spiking neural networks and either physics-based device models or computer architecture is highly desirable. Familiarity with parallel or high-performance computing and Linux-based systems are all a plus.

Candidates must have a PhD (typically completed within the last 3 years, or

Professional Opportunities

soon-to-be completed) in Electrical or Computer Engineering, or a closely related discipline or equivalent experience.

Please apply at https://argonne.wd1.myworkdayjobs.com/Argonne_Careers/job/Argonne-National-Laboratory/Postdoctoral-Appointee---Materials--Circuits-and-Computer-Systems_411668

Boston College

Non-Tenure Track Teaching Position in Computer Science

The Computer Science Department of Boston College is seeking to fill a teaching position, with the title of Visiting Assistant Professor, beginning in the Fall of 2022. All applicants should be committed to excellence in undergraduate education, and be able to teach a broad variety of undergraduate computer science courses.

Candidates are expected to have a Ph.D. in Computer Science or a closely related discipline. Candidates without a Ph.D. may apply, and would have the rank of Visiting Lecturer.

We will begin reviewing applications as they are received and will continue considering applications until the position is filled. Applicants should submit a cover letter, CV, and a separate teaching statement and arrange for at least two confidential letters of recommendation that comment on their teaching performance to be uploaded directly to Interfolio. **To apply go to:** apply.interfolio.com/99962

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

about the University and our department is available at bc.edu and cs.bc.edu.

Boston College

Postdoctoral Research Fellow, Computer Science

This position is under Professor Ilya Volkovich. The candidate will be working in the area of algebraic complexity to design efficient algorithms for algebraic problems."

- Develops, designs, and conducts one or more research projects or experiments; reviews progress and evaluates results.
- Formulates research methods and suggests options for improving quality; identifies potential problems, recommends and implements solutions, and collaborates in the development of new techniques; and works with other research staff, including Senior Research Associates.
- In a lab environment, trains users in equipment operation and laboratory techniques; explains and demonstrates technology and equipment capabilities, operations, limitations, and outcomes.
- In a non-lab environment, develops protocols and criteria (e.g., determines interview procedures, including the development of interview schedules and questionnaires, online data collection, test development, and development of measures) and approves protocols, as appropriate.
- Participates in data collection and screening and verifies accuracy of the data.
- Participates in analysis of data; interprets and implements research methodology based on outcomes of analysis.

- Oversees the day to day operations of the project; may supervise other research personnel and manage a budget.
- May author/co-author publications and may present/co-present results at meetings or conferences.
- Keeps supervisor and other project members apprised of research developments and any complications with project timelines, research activities, etc.
- Maintains compliance records.
- May apply for research grants and serve as PI., with necessary approvals.

Requirements:

Degree Requirement: Ph.D. or equivalent doctorate (e.g., Sc.D., M.D.) in an appropriate field, specifically Theoretical Computer Science

Experience: Minimum of 1 year of post-Master's and/or Ph.D. research experience

Apply online at the Boston College

Website: Postdoctoral Research Fellow, Computer Science

Equal Employment Opportunity Statement

Boston College conducts background checks including education, and verifies COVID-19 vaccination 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

Professional Opportunities

for women, minorities, individuals with disabilities, and covered veterans.

To learn more about how BC supports diversity and inclusion throughout the university please visit the Office for Institutional Diversity at <https://www.bc.edu/offices/diversity>. Boston College's Notice of Nondiscrimination can be viewed at <https://www.bc.edu/nondiscrimination>.

Brown University

Lecturer in Data Science

Brown University's Data Science Initiative (DSI) seeks applicants for a lecturer, senior lecturer, or distinguished senior lecturer position. The initial appointment is for a 3-year period (renewable with potential for promotion and longer-term contracts), starting summer or fall 2022. The position involves teaching four courses per year and providing administrative or advising support for student programs. We seek candidates who will contribute to our overall intellectual culture. Lecturers with substantial research participation and supporting funds may be eligible for periodic course release.

Please see our Interfolio posting for more details and to apply. <https://apply.interfolio.com/100558>

California State University, Sacramento

Department of Computer Science

Two tenure-track assistant professor positions

Two tenure-track assistant professor positions to begin with the Fall 2022 semester. Applicants specializing in

all areas of computer science will be considered. However, those with knowledge/skill in computer graphics and game engine design OR computer architecture/hardware are especially encouraged to apply as the department has an urgent need to meet student demand in these two particular areas. Ph.D. in Computer Science, Computer Engineering, or closely related field required by the time of the appointment.

For detailed position information, including application procedure, please see <https://careers.csus.edu/en-us/listing/>.

Screening will begin December 1, 2021, and remain open until filled.

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

Carnegie Mellon University

Developer in Residence

We are looking for a talented senior software developer to take the reins in designing and developing R and Python software packages. These packages support model development and evaluation in predictive tasks in epidemiology such as COVID forecasting, flu forecasting, or hotspot detection for these two pathogens. This software is important both for Delphi's own internal modeling work, and for a community of modelers that works with the CDC on COVID and flu forecasting.

Apply at Delphi Careers: <https://delphi.cmu.edu/about/careers/>

Carnegie Mellon University

Project Manager

We are looking for a talented project manager to coordinate between and manage the group's continually diverse set of ongoing projects, and assist the Delphi leadership team in translating the group's strategy into concrete deliverables.

Apply to the position at Delphi Careers: <https://delphi.cmu.edu/about/careers/>

Carnegie Mellon University

Assistant/Associate Teaching Professor - Software Engineering

The Institute for Software Research (ISR) in the School of Computer Science (SCS) at Carnegie Mellon University invites applications for multiple teaching-track positions for its Masters of Software Engineering (MSE) program. These are career-oriented, renewable appointments with an initial appointment of three years at the rank of Assistant or Associate Teaching Professor commensurate with the experience of the candidate. These ranks are not tenured, but they do provide substantial opportunities for professional growth and long-term contributions to software engineering education at Carnegie Mellon University.

We especially invite candidates with a demonstrated track record in mentoring and engaging members of groups traditionally underrepresented in software engineering and computer science and with substantial industry experience. ISR promotes a balanced teaching load to

Professional Opportunities

allow faculty to have a deeper engagement with students as well as time to pursue research, advise students, design or participate in outreach programs, create new courses, explore and experiment with new teaching methodologies.

The MSE family of programs comprises a Master of Software Engineering Program focused on experienced individual contributors seeking to transition into a leadership position and two more technical oriented programs: MSE-Scalable Systems and MSE-Embedded Systems addressing the needs of fresh graduates wishing to develop excellence in these areas. The three programs are offered at our campus in Pittsburgh, with the Master of Software Engineering Program also offered on a distance modality to serve working students.

Because the MSE programs embrace a learning by doing philosophy, faculty is expected to have weekly meetings with students working in their capstone projects and serve as mentors for their teams. The program graduates approximately sixty students per year, so class sizes are not huge.

We are particularly interested in candidates that can teach courses in one or more of the following areas:

- **Quality assurance** (e.g., testing, applied formal methods, modeling and analysis of software systems, chaos engineering, data quality and assurance for autonomous and ML enabled systems)
- **Solutions design** (e.g., business process modeling, design thinking, service design,

user experience design and human computer interfaces.)

- **Software architecture** (e.g., micro services, real-time, cloud computing, IoT and ML/AI enabled systems)
- **Processes and Management** (e.g., plan based, agile and hybrid development approaches, empirical software engineering techniques, process improvement frameworks)

Applicants are expected to have an advanced degree, e.g. M.S. along with significant professional experience or a PhD. in computer science, software engineering, or a related field.

For full consideration, applications must be received by December 8, 2021. You can apply at <https://www.isri.cmu.edu/jobs/teaching-track.html>.

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

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the rank of Assistant or Associate Teaching Professor commensurate with the experience of the candidate. These ranks are not tenured, but they do provide substantial opportunities for professional growth and long-term contributions to software engineering education at Carnegie Mellon University.

We are seeking to fill two positions this year. One position is focused on Masters education, specifically in the Masters of Software Engineering (MSE) program; the other position will broadly support our computer science and software engineering educational programs. We especially invite candidates with a demonstrated track record in mentoring and engaging members of groups traditionally underrepresented in software engineering and computer science. ISR promotes a balanced teaching load to allow faculty to have a deeper engagement with students as well as time to pursue research, advise students, design or participate in outreach programs, create new courses, explore and experiment with new teaching methodologies.

Masters Focused Position

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Professional Opportunities

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We are particularly interested in candidates that can teach courses in one or more of the following areas:

- **Quality assurance** (e.g., testing, applied formal methods, modeling and analysis of software systems, chaos engineering, data quality and assurance for autonomous and ML enabled systems)
- **Solutions design** (e.g., business process modeling, design thinking, service design, user experience design and human computer interfaces)
- **Software architecture** (e.g., micro services, real-real time, cloud computing, IoT and ML/AI enabled systems)
- **Processes and Management** (e.g., plan based, agile and hybrid development approaches, empirical software engineering techniques, process improvement frameworks)

Applicants to this position are expected to have an advanced degree, e.g. M.S. along with significant professional experience or a PhD. in computer science, software engineering, or a related field.

Undergraduate focused position

Additionally, we are looking for a position to support the undergraduate program in Software Engineering. The undergraduate program offers a minor in software engineering, and candidates will be involved in teaching a variety of courses in software engineering. Additionally, there are opportunities to be involved in CS/SE curriculum development, as well as CS/SE educational scholarship. Teaching track faculty serve on various committees alongside other faculty at the department, school, and university levels.

For this position, we seek candidates with expertise in software engineering practices, and an aptitude for teaching and engaging students. Faculty candidates are expected to have an advanced degree (PhD) in computer science, software engineering, or a related field.

Application Instructions

For full consideration, applications must be received by December 8, 2021. You can apply at <https://www.isri.cmu.edu/jobs/teaching-track.html>

Applicants should submit (1) a letter of application describing their interests in teaching teaching undergraduates and/or Master's students at Carnegie Mellon University and in promoting inclusion and diversity in software engineering, (2) a curriculum vitae, (3) a statement of teaching philosophy, (4) the names and email addresses of three or more individuals whom the applicant has asked to provide letters of reference, and if

available, (5) supplementary materials including teaching evaluations, video samples of teaching, curriculum portfolios, and activities related to promoting inclusion and diversity.

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

Carnegie Mellon University

Research Programmer / Analyst

Job Description

Delphi group at Carnegie Mellon University is looking for a talented engineer to prevent, identify, diagnose, and rectify problems or outages that occur in the data processing pipelines for our indicators.

[Apply at CMU Careers.](#)

Carnegie Mellon University

Teaching Track Position in Business Analytics

Position Description

The Tepper School of Business at Carnegie Mellon University invites applicants for a teaching-track position in Business Analytics to begin in fall 2022. The teaching track at Carnegie Mellon is a full-time faculty position subject to a tri-annual review and promotion process, and has assistant professor, associate professor, and professor ranks. All levels

Professional Opportunities

will be considered for this position, but we particularly seek applicants at the assistant or associate professor level. While teaching track faculty can pursue research activities, they are neither required nor expected to do so; their evaluation is based on teaching, educational, and service contributions.

Applicants should have completed a Ph.D. in a discipline related to Business Analytics, including machine learning, operations research, statistics, industrial engineering, computer science, economics, or information systems. The ideal candidate has the ability to bridge analytics methodology and business applications in, e.g., finance, marketing, or operations. Teaching assignments may span all our educational programs including the MBA, MS in Business Analytics, and Undergraduate Business programs. Candidates must demonstrate a potential for and commitment to teaching excellence.

Institution

The Tepper School of Business at Carnegie Mellon consistently ranks among the top business schools in the world at both the graduate and undergraduate levels. The school has a rich history of quantitative decision making and analytical approaches to problem solving and is renowned for its research and educational contributions in areas related to Business Analytics. The educational mission of the school combines analytics with business, technology, and leadership. We believe that the Intelligent Future is powered by data and reimagined by humans. For more

information about programs at the Tepper School of Business at Carnegie Mellon, please go www.tepper.cmu.edu. For more information about Carnegie Mellon University, please go to www.cmu.edu.

Application Process

Candidates should submit a cover letter, curriculum vitae, teaching statement (including previous teaching evaluations if available), diversity statement, up to three publications or working papers (optionally), and three recommendation letters via Interfolio (<http://apply.interfolio.com/99898>).

To ensure full consideration, complete applications, all supporting materials, and reference letters should be received no later than January 31, 2022.

If you have any questions, please contact Phil Conley, Faculty Search Coordinator for Communications at btgroup@andrew.cmu.edu or 412-268-6212.

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 Africa

Teaching Track and Research Track Faculty

Carnegie Mellon University Africa (CMU-Africa) invites applications for teaching track and research track faculty positions at all levels (i.e., Assistant, Associate and Full Professor) at its campus in Kigali, Rwanda.

Carnegie Mellon University, a world leader in information technology, engineering, and artificial intelligence, started its graduate programs on the ground in Kigali, Rwanda in 2012, with the goal of educating the next generation of African technology leaders in Africa. With strong support from the Government of Rwanda, the Mastercard Foundation, Smart Africa, the Mandela Institute for Developmental Studies (MINDS) and other partners, CMU Africa has grown to more than 230 full-time resident graduate students from 20 countries in Africa, with plans to grow to about 400 students in four years. CMU Africa graduates are having significant positive impact and rising quickly to technology leadership positions to take advantage of Africa's unique opportunities. CMU Africa is on a strong positive trajectory, having moved into a new building in 2019 as the anchor tenant of the Kigali Innovation City and doubling its size in the past two years.

CMU Africa offers three Master's degree programs: Information Technology, Electrical and Computer Engineering, and Engineering Artificial Intelligence. The location has about 25 faculty members dedicated to teaching, research and entrepreneurship activities. Some examples of current research projects include forecasting the economic and mortality impacts of COVID-19 for Rwanda and beyond, enhancing cybersecurity capacity in Africa, and strengthening the governance system and teacher management in Rwanda.

Building on CMU Africa's significant growth and success in its first decade,

Professional Opportunities

CMU Africa is starting an ambitious, well-resourced program to develop a network of African higher learning institutions that will work collaboratively in education, knowledge creation and technology entrepreneurship with the goal of supporting inclusive digital transformation throughout Africa.

We seek highly-qualified candidates with a Ph.D. from leading research universities to contribute to CMU Africa's innovative, interdisciplinary graduate teaching and research programs to educate and empower the next generation of African technology leaders. We welcome applicants with interests in the development and application of Information and Communication Technology, defined broadly, to address societal challenges in an African setting. Areas of particular interest include artificial intelligence and machine learning, cybersecurity and privacy, software engineering and development, robotics, IoT, technology policy and technology entrepreneurship with applications to health, finance, agriculture, energy, and education.

We are seeking both teaching-track and research-track faculty. While these are not tenure-track lines, research and teaching faculty tracks are well established professional tracks at CMU with renewable, multi-year contracts that go through same review and promotion process (with different criteria) as tenure-track faculty. Teaching and research faculty are integrated into all CMU Africa activities, take on leadership positions, and receive significant support to achieve scholarly excellence. They are expected to actively collaborate with other faculty at

CMU Africa, CMU-Pittsburgh and partner African universities in their scholarly activities. The teaching and research tracks present long-term career growth opportunities along well-established promotion lines to advance through Assistant, Associate, and full Teaching/Research Professor levels. Both tracks are encouraged to engage in teaching and research. They differ in their focus.

Teaching-track faculty are responsible for teaching courses, supervising student research projects, engaging in broader aspects of our educational programs and collaboratively improving our educational offerings. Teaching-track faculty members have opportunities to conduct research or engage in other activities that advance them professionally, provided those activities are consistent with the department's overall educational mission.

Research-track faculty responsibilities include creating, developing, carrying out and managing innovative research programs, particularly in areas of importance to Africa. CMU Africa research-track positions are fully funded for three years providing a convenient ramp for the research faculty to establish a strong research program and pursue external research funding opportunities. Research-track faculty members supervise graduate students and postdocs (often in collaboration with other CMU faculty, including faculty on the Pittsburgh campus) and frequently engage in teaching courses which helps them attract students to join their research efforts.

CMU Africa faculty in both tracks are expected to work closely with colleagues

on the main campus and visit the main campus for both short-term and longer-term (e.g., a semester or a year) for establishing and growing collaborative efforts in both teaching and research. Similarly, faculty members on the main campus will have opportunities to come to Kigali to teach and carry out joint research with CMU Africa faculty.

Apply here: <https://apply.interfolio.com/96623>

Carnegie Mellon University in Qatar

Postdoctoral Fellow

CMU Qatar invites applications for postdoctoral fellow positions. These positions are designed for candidates who are interested in enhancing their teaching portfolio, along with their research portfolio, to be better prepared for future academic positions. The positions expect candidates to relocate to Carnegie Mellon's campus in Doha starting Summer 2022.

Position details including role, expectations, benefits, and application submission, can be found at the following link: <https://apply.interfolio.com/98925>

Carnegie Mellon University in Qatar

Faculty Position in Computational Biology

Description:

Carnegie Mellon University in Qatar invites applications for a teaching-track faculty position at any level in the field of Computational Biology. We are seeking applications from candidates in all

Professional Opportunities

areas of computational biology whose work and expertise is computational or combines computational approaches to solving biological problems. This is a career-oriented renewable appointment that involves teaching high-achieving undergraduate students.

The position offers a competitive salary and benefits including a foreign service premium, excellent international health care coverage, and allowances for housing, transportation, dependent schooling, and travel.

Qualifications:

Candidates must have a Ph.D. in Computer Science or related field, substantial exposure to university-level education, good leadership skills, an outstanding teaching record, and excellent research accomplishments. Strong interest in supervising undergraduate research is a positive attribute. Teaching duties would include, but are not limited to, introductory and advanced computational biology courses.

Application Instructions:

Applications, including a cover letter, a curriculum vitae (including publication list), research and teaching statements, a diversity statement (outlining how you have contributed to, or plan to contribute to, diversity, inclusion, and equity), and the contact information for at least three individuals who have been asked to upload confidential letters of reference should be submitted electronically via this site: <http://apply.interfolio.com/81740>

The deadline for applying is January 31, 2022 or until the position is filled.

Please send inquiries to the Area Head for Computer Science at CMU-Q; Khaled A. Harras at kharras@cs.cmu.edu.

Case Western Reserve University

Non-Tenure-Track Teaching Faculty Position (Open Rank), Computer and Data Sciences

The Department of Computer and Data Sciences in the Case School of Engineering at Case Western Reserve University (CWRU) invites applications for a non-tenure-track faculty position.

All ranks will be considered. The primary responsibility for this position is teaching. The secondary responsibility is either research or service, as chosen by the candidate.

Applicants should have a strong commitment to high quality teaching at the undergraduate and graduate levels. All successful candidates are expected to teach core courses in Computer and Data Sciences as well as advanced courses in the candidate's area of specialization, supervise undergraduate and graduate students, and interact and collaborate with faculty across the department and campus.

The Department of Computer and Data Sciences was formed in 2019 out of the Department of Electrical Engineering and Computer Science, with the vision that computing and data sciences will play a

central role in interdisciplinary research and education throughout the university.

For more information and to submit an application, please visit <https://engineering.case.edu/computer-and-data-sciences/employment>

CWRU provides reasonable accommodations to applicants with disabilities. Applicants requiring reasonable accommodation for any part of the application and hiring process should contact the Office of Equity at 216-368-3066.

Case Western Reserve University, Cleveland, Ohio

Faculty Positions in Department of Computer and Data Sciences

The Department of Computer and Data Sciences in the Case School of Engineering at Case Western Reserve University (CWRU) invites applications for **multiple** tenure-track faculty positions.

This search prioritizes Assistant and Associate Professor candidates in Artificial Intelligence, Machine Learning, Algorithmic Fairness, Data Science, and Computer Systems. However, we will consider exceptional candidates at all ranks and in all areas of Computer and Data Sciences. In addition to foundational research, candidates with collaborative research programs in applied areas of Computer and Data Sciences are encouraged to apply.

The Department of Computer and Data Sciences was formed in 2019 out of the Department of Electrical Engineering and

Professional Opportunities

Computer Science, with the vision that computing and data sciences will play a central role in interdisciplinary research and education throughout the university.

For more information and to submit an application, please visit <https://engineering.case.edu/computer-and-data-sciences/employment>

CWRU provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should call 216-368-3066.

Clemson University

Assistant/Associate Professor in the School of Computing

Clemson University is hiring in the broad areas of Artificial Intelligence, including (but not limited to) human-AI interaction, human-centered AI, trustworthy AI, deep learning, reinforcement learning, and any AI-related application areas such as CPS, IoT, NLP, HCI, Vision, Graphics, Robotics, and social sciences. The School of Computing invites applications for two tenure-track faculty at assistant/associate levels starting in Fall, 2022. T/TT faculty in the School of Computing are members of the Divisions of Computer Science, Human-Centered Computing, and Visual Computing. Candidates will be invited to join the Artificial Intelligence Research Institute for Science and Engineering, which is led out of the School of Computing.

Clemson has had continued growth and increase of student enrollment through the global pandemic. The School of Computing has 38 tenured/tenure-track faculty members, twelve full-time non-tenure track faculty, more than 1,000 undergraduate majors, and over 260 graduate students. The School offers twelve degrees at the Baccalaureate, Master's, and Doctorate levels in Computer Science, Human-Centered Computing, Digital Production Arts, Biomedical Data Sciences and Informatics, and an interdisciplinary master's program in Systems Engineering. For additional details, please see <http://computing.clemson.edu/>

The College of Engineering, Computing and Applied Sciences at Clemson University is building a strategic, cross-disciplinary faculty cluster in AI to advance research and education in four thrusts: Next Generation Computing, Infrastructure & Sustainable Environment, Future Materials, and Health Innovation & Human Performance. Members of the AI cluster will leverage their expertise in AI, machine learning, cybersecurity, autonomy, sensing and analytics in collaborative research pursuits with faculty across and beyond the college. Transformative AI/ML systems and applications call for novel solutions that span perception of the physical world, processing of diverse genres of data, making decisions, controlling physical devices and systems, and interacting with human and society. With its cross-disciplinary focus, joint appointments with multiple departments are encouraged for positions in this cluster. Successful candidates will

demonstrate experiences in driving high-impact interdisciplinary research in AI/ML systems and applications.

Clemson University has the highest Carnegie research designation (R1), and recently completed its Clemson Forward plan with strategic focus on advancing our doctoral programs and strengthening our research and scholarly impact while still preserving the outstanding signature undergraduate experience that is at the heart of Clemson. Clemson Forward has at its core the mission being a model for the 21st Century land grant university.

The University, the College of Engineering, Computing and Applied Sciences, and the School of Computing are committed to building a community of inclusive excellence, where faculty scholars are dedicated to working and teaching in a multi-cultural environment (<http://www.clemson.edu/inclusion/>). In addition, Clemson University recognizes that many prospective candidates for faculty positions at Clemson have dual career needs. The Dual Career Program in the Office of the Provost provides support when considering employment opportunities with the university and in the surrounding community.

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

Qualifications

An earned doctorate or equivalent is required for this tenure track position.

Professional Opportunities

Application Instructions

Review of applications will begin on February 1st, 2022 and will continue until the position is filled.

Applicants should indicate their research specialties and interests in their cover letter. Vita, statements on teaching, research, and a Justice, Equity, Diversity, and Inclusion (JEDI) Statement including the description of the candidate's experience mentoring diverse individuals and/or how the candidate plans to contribute to the inclusive excellence of the School and the contact information for our system to secure three confidential reference letters should be submitted at <http://apply.interfolio.com/100213>.

Equal Employment Opportunity Statement

Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty and staff committed to working in a multicultural environment and encourages applications from minorities and women.

Cleveland State University

Assistant Professor in Computer / Data Science

Position Description: The Department of Electrical Engineering and Computer Science (EECS) at Cleveland State

University (CSU) invites applications for multiple tenure-track Assistant Professor positions in Computer Science/ Data Science, to begin on August 22, 2022. CSU is committed to academic excellence and diversity within the faculty, staff, and student body. CSU is striving to be a nationally recognized and student-focused public research institution that provides accessible, affordable, and Engaged Learning opportunities for all.

The search is part of the Cleveland Innovation District project, a five-member consortium of \$565-million focused on healthcare and CS/IT programs. More information about the Cleveland Innovation District project can be found here and its progress here. Cross-institutional research and education are underway with the Cleveland Clinic, University Hospitals, The MetroHealth System, and Case Western Reserve University as well as other long-term partners including NASA Glenn, Rockwell Automation, and Parker Hannifin.

While applicants who have demonstrated outstanding research in all areas of Computer Science/Data Science will be considered, the preference will be given to those in the following areas: Artificial Intelligence and Machine Learning, Data Science and Analytics, Health Informatics, Graphics and Visualization, HCI, AR/VR/ MR, Game design, Cyber Security, and Quantum Computing. The department encourages applications from historically underrepresented groups, including women, minorities, and persons with disabilities. Successful candidates should have completed their Ph.D. in Computer

Science/Data Science or a closely related field by July 1, 2022.

Responsibility: the faculty hired in these positions will be expected to develop a strong, externally funded research program, supervise students, actively participate in teaching at both the graduate and undergraduate levels and provide services to the college and university.

Minimum Qualifications: An earned Ph.D. in Computer Science/Data Science or a closely related field.

Preferred Qualifications: (1) Excellent teaching and communication skills. (2) Demonstrated original and productive research related to one or more of the preferred areas in Computer Science/ Data Science. (3) Demonstration of inter-disciplinary research. (4) Ability to contribute through teaching and/ or service to the diversity, cultural sensitivity, and excellence of the academic community.

Applicant Instructions: For full consideration, applicants must submit a cover letter, curriculum vitae including the names and contact information of at least three professional references, and statements of teaching, research, and diversity through the Cleveland State University Human Resources website: <https://hrjobs.csuohio.edu/postings/15522>.

The positions will remain open until filled. However, priority consideration will be given to applications received by January 23, 2022.

Note: The Successful candidate is required to submit an official transcript before their contract can be prepared.

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Cleveland State University is an urban campus serving a racially, culturally, and economically diverse student body. Diversity is extremely important to CSU. In the diversity statement, explain your experience serving diverse students and how you will make a positive contribution to CSU's inclusive community. For applicants who have not yet had the opportunity for such experience, note how your work will contribute to CSU's commitment to diversity and mission as an urban serving university.

Questions about this position opportunity should be directed to the search committee chair, Dr. Chansu Yu, at search22@eeecs.csuohio.edu.

Salary is commensurate with experience. Hire is contingent upon the maintenance of existing levels of funding from the State of Ohio. Offer of employment is contingent on satisfactory completion of the University's verification of credentials (including evidence of a Ph.D. by July 1, 2022) and other information required by law and/or University policies or practices, including but not limited to a criminal background check.

CSU is a public institution located in the city of Cleveland with approximately 17,000 racially, culturally, and economically diverse students. The university is well-known for its interdisciplinary programs, enjoying partnerships with several industrial corporations, the NASA Glenn Research Center, and the Cleveland Clinic. The EECS department offers ABET-accredited Bachelor's degrees in Computer Science, Computer Engineering and Electrical Engineering, as well as

the corresponding Master's and Ph.D. programs, with 26 full-time faculty members, and over \$8 million in research funding. Additional information about the department is available [here](#).

It is the policy of Cleveland State University to provide equal opportunity to all qualified applicants and employees without regard to race, color, religion, sex, sexual orientation, gender identity and/or expression, national origin, age, protected veteran or disabled status, or genetic information.

student body, and to take advantage of the collaboration opportunities that W&M is offering. Teaching expectation is up to two courses per semester. Successful applicants should have a broad knowledge of data analytics, with a strong interest in teaching to multidisciplinary, liberal arts audiences, including students in disciplines both inside and outside of traditional STEM areas. They are expected to contribute to a Data Science unit that builds on the diverse expertise of William & Mary to establish a nationwide leading program.

Applicants must apply online at:
<https://jobs.wm.edu/postings/44233>.

Submit a curriculum vitae, a cover letter, a statement of research and teaching interests, and a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion. You will be prompted to submit online the names and email addresses of three references who will be contacted by the system with instructions for how to submit a letter of reference.

For full consideration, submit application materials by the review date, December 1, 2021. Applications received after the review date will be considered if needed.

College of William & Mary
Assistant or Associate Professor of Data Science

The Data Science Program at William & Mary, a public university of the Commonwealth of Virginia, seeks applications for a tenure track position at

Professional Opportunities

the Assistant or Associate Professor level in Data Science. Appointment will begin August 10, 2022. We are interested in an individual with research and teaching expertise in i) Artificial Intelligence (AI)/Machine Learning (ML) techniques or ii) applications of data science in support of large-scale experiments and simulations performed at Jefferson Lab, a Department of Energy national laboratory. The successful applicant is expected to establish and maintain a vibrant externally funded research program with a focus on data science issues in support of the research portfolio undertaken at Jefferson Lab. The successful applicant will inspire a highly motivated graduate and undergraduate student body. Teaching expectation is one course per semester. The successful applicant must be able to teach lecture and seminar-style courses in data science, and contribute to expanding the strong connection between W&M and Jefferson Lab. The successful applicant is also expected to contribute to a Data Science unit that builds on the diverse expertise of William & Mary to establish a nationwide leading program. Depending on the particular expertise of the candidate, this Data Science position may carry a joint appointment with Computer Science or Physics as appropriate.

Applicants must apply online at:
<https://jobs.wm.edu/postings/44255>

Submit a curriculum vitae, a cover letter, a statement of research and teaching interests, a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion. You will be prompted

to submit online the names and email addresses of three references who will be contacted by the system with instructions for how to submit a letter of reference.

For full consideration, submit application materials by the review date, December 1, 2022. Applications received after the review date will be considered if needed.

College of William & Mary

Visiting Assistant Professor or Instructor of Data Science

The Data Science Program at William & Mary, a public university of the Commonwealth of Virginia, invites applications for a one-semester (Spring 2022) non-tenure-track visiting faculty position, to begin on January 10, 2022. We seek a strong teacher with expertise in big data analytics who will teach python-based courses for the core curriculum in Data Science (e.g. programming for data science, introduction to data science, machine learning, databases, or data visualization) as well as the possibility for an upper-level Data Science course in the candidate's area of specialization. The ideal candidate will have a broad knowledge of data analytics, with a strong interest in teaching to multidisciplinary, liberal arts audiences, including students in disciplines outside of traditional STEM areas, and experience in using alternative data analysis languages, such as R, Julia, or Scala. Required Qualifications Minimum M.S. in Data Science, Computer Science, or Statistics or a closely aligned discipline. Candidates with an advanced degree in other fields will be considered if they have

published work that utilizes extensive big data analytics or have experience working in industry. Preferred Qualifications ABD or Ph.D. in Data Science, Computer Science, Statistics by the time of appointment, or a Ph.D. in another field if they have published work that utilizes extensive big data analytics or have experience working in industry. Prior university teaching experience and/or applied experience outside of academic settings is preferred.

Applicants must apply online at

<https://jobs.wm.edu/postings/44301>.

Please submit a curriculum vitae, a cover letter, a statement of research and teaching interests, and a statement describing previous professional experience or future plans (or both) that demonstrate a commitment to diversity and inclusion. You will be prompted to submit online the names and email addresses of three references who will be contacted by the system with instructions on how to submit a letter of reference.

For full consideration, submit application materials by the review date, December 1, 2022. Applications received after the review date will be considered if needed.

Columbia University

Lecturer-in-Discipline

The Department of Computer Science at Columbia University in the City of New York invites applications for faculty at the rank of Lecturer in Discipline beginning in the 2022-23 academic year. Lecturers in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. Lecturers in the

Professional Opportunities

department enjoy voting rights at faculty meetings, and serve on department committees. Senior lecturers earn a Dean's Leave on a timeline similar to that of sabbatical for tenure-track faculty. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong undergraduate and graduate programs. Teaching responsibilities for lecturers include courses throughout the computer science curriculum, from introductory to graduate-level courses, with a typical teaching load of two courses per semester.

Applications should be submitted electronically at: <http://apply.interfolio.com/97065> and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on November 1st, 2021 and continue until the positions are filled. Candidates must have a PhD or its professional equivalent by the starting date of the appointment.

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

Dartmouth College

Associate or Full Professor of Computer Science, Sensory Technology for Health

Over the next decade, breakthroughs in human sensing, machine learning and intervention technologies will radically transform how we diagnose, treat and

monitor disease at population scale. 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 Sensory Technology for Health, as part of a cluster of hires the college has made in this area. We particularly seek applicants who will help lead, initiate, and participate in collaborative research projects within Computer Science and beyond, including Dartmouth researchers from other Arts & Sciences departments, Geisel School of Medicine, Thayer School of Engineering, and Tuck School of Business. Applicants must have a PhD in Computer Science or a closely related field.

Review of applications begins March 1, 2022 and will continue until the position is filled.

For a complete position description or to apply, please visit: <http://apply.interfolio.com/100960>.

DePaul University

Assistant Professors/Open Rank in Computer Science

DePaul University's School of Computing invites applications for five tenure-track positions. Three positions are offered at the Assistant Professor level while two are open rank. Candidates at all seniority levels are therefore encouraged to apply. Well-qualified senior candidates will be considered for offers with tenure. We are

interested in candidates in all Computer Science areas, including artificial intelligence & machine learning, human-centric computing, robotics, systems, networking, software engineering, theory, graphics & visualization, cybersecurity, computing research in the life sciences & other disciplines, social & ethical aspects of computing, and computing education. The School of Computing and DePaul University are committed to providing a flexible and supportive environment for candidates seeking rewarding academic careers with a balance between teaching and research.

DePaul's School of Computing offers a broad range of degree programs including Computer Science, Artificial Intelligence, Game Development, Human-Computer Interaction, Cyber-Physical Systems Engineering, Information Security, Data Science, Software Engineering, and others. The School of Computing includes over 60 full-time faculty, close to 3,000 undergraduate majors and graduate students, and offers nine bachelor's and fourteen master's programs as well as a PhD program. Located in the heart of Chicago's vibrant downtown, it offers vast opportunities to forge relationships with industry, national laboratories, universities, and other organizations in the Chicago area.

The School of Computing has active research groups in artificial intelligence, data science, databases, human-computer interaction, programming languages, robotics, security, software engineering, systems, technology education, theory, and visual informatics. Over the last decade, the school faculty have secured

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more than \$12.6M in funding from the NSF and three current members of the faculty are NSF CAREER award recipients. The school faculty consistently publish in most selective conferences earning the school a good ranking in csrankings.org in most areas of computer science. The university supports research via a robust internal research grants program. The university is also investing heavily in support of faculty innovation. These investments include an annual multi-million-dollar Academic Growth and Initiative Fund, modeled after the federal Small Business Innovation Research (SBIR) programs, to support large-scale or high-risk-high-reward faculty-driven initiatives.

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty. Members of all underrepresented groups, women, veterans, and persons with disabilities are invited and encouraged to apply. DePaul University offers equal employment opportunities to all persons in accordance with applicable federal, state, and local EEO laws. Positions are contingent upon available budgetary resources.

Applicants should have a PhD degree in Computer Science or a related field.

Apply at <https://applyinterfolio.com/91064>

Review of applications will begin on January 17, 2022 and continue until the positions are filled.

For more information, email Alexander Rasin (arasin@cdm.depaul.edu).

Dickinson College

Visiting Assistant Professor in Computer Science

Dickinson College invites applications for two Visiting Assistant Professor positions in Computer Science, beginning Fall 2022. Applicants should have an MS or higher degree in CS or a related field and an interest in innovative teaching in a liberal arts setting. One of the positions will be a two-year appointment and the other will be a one-year appointment.

Please apply via QUEST at <https://jobs.dickinson.edu/postings/6183>.

The College is committed to building a representative and diverse faculty, administrative staff, and student body.

We encourage applications from all qualified persons.

Drake University

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science seeks an outstanding teacher and promising scholar for a tenure track position in Computer Science at the rank of Assistant Professor beginning Fall 2021. A Ph.D. completed by August 2021 in Computer Science or a related area is required. Applicants from all areas of computer science are welcome to apply. The course load is 3-3. Salary is competitive with peer schools. Drake University is an equal opportunity employer (EEO).

Applicants should submit electronically: a letter of application, curriculum vitae,

description of teaching experience, teaching philosophy, research agenda, diversity statement, and contact information for three references, at least two of whom can address teaching, through Hire Touch: <https://www.drake.edu/hr>. Questions may be directed to the search chair, Chris Porter, at christopher.porter@drake.edu.

Review of applicants will begin November 15, 2021 and will continue until the position is filled.

Drew University

Professor of Data Analytics

The Department of Mathematics and Computer Science at Drew University invites applications for a 12-month open-rank **tenure-track professor of Data Analytics**, with a start date of May 23, 2022. The successful candidate will teach six course equivalents per year across the Fall, Spring, and Summer terms, including some evening classes. Roughly half of the teaching responsibilities will be in our Master of Science in Data Analytics program and half in our undergraduate program. More information may be found on our website: <https://drew.edu/math-computer-science-department/>

A Ph.D. in statistics, computer science, data science, biostatistics, business analytics, or a related area of mathematical sciences is required.

Application: To apply, submit the following materials to <https://drew-university.oasisrecruit.com/job/358572/professor-of-data-analytics>.

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Review of applications will begin on **January 15, 2022** and will continue until the position is filled.

- Cover letter
- CV/Resume
- Undergraduate and graduate transcripts
- Student course evaluations, if available
- Personal statement that describes how your experience applies to the position
- Please arrange for 3 letters of references— at least 2 of which specifically address your teaching experience or potential—to be sent to aefays@drexel.edu

Drexel University

*College of Computing and Informatics
(CCI)DrexelUniversity*

Full-time Teaching Faculty Position

The *College of Computing and Informatics*(CCI) invites applications for a full-time teaching faculty position in Business Information Technology. CCI is located in a state-of-the-art facility with classrooms, research, and student labs with abundant space promoting collaboration and innovation. CCI offers a Bachelor of Science (BS), Master of Science(MS), and Doctor of Philosophy (PhD) degrees spanning areas of Computing and Informatics including new degrees such as MS in Data Science, and MS in Information, and MS in Business Information Technology, in partnership with the *LeBow College of Business*. In addition, CCI offers a wide range of job-oriented, stackable certificates that provide industry driven skills-based

training while also serving as a pathway to MS-level programs.

The ideal Business Information Technology candidate is expected to have:

- Expertise as well as industry experience in one or more specialized areas of business information technology including:
 - » Cloud Technology, Cloud Security, and Virtual Environments
 - » Disaster Recovery, Continuity Planning, and Digital Risk Assessment
 - » Management of Enterprise Business Information Infrastructure
 - » Software Architecture, Deployment, and Management
- Experience in the deployment of enterprise software applications supporting digital transformation
- Teaching and/or training experience in face-to-face and/or online learning environments
- A graduate degree in a relevant field

Applicants should submit a cover letter, curriculum vitae (CV) or resume, a brief statement on teaching/training experience and relevant professional experience and contact information for three professional references. Please apply at <https://careers.drexel.edu/en-us/job/497195>.

Letters of reference (electronic submissions in PDF format are required) will be requested from candidates who are invited for a campus interview. This position is located in Philadelphia,PA.

Drexel is a private university committed to teaching and research with real-world applications. The University has over

24,000 students in 15 colleges and schools and offers about 200-degree programs. The College of Computing & Informatics is comprised of approximately 60 faculty and 2,000 students. Drexel has one of the largest and best-known cooperative education programs in the country, with over 1,600 co-op employers. Drexel's University City campus is located on Philadelphia's "Avenue of Technology" in the University City District and at the hub of the academic, cultural, and historical resources of the nation's sixth largest metropolitan region.

Drexel University is dedicated to building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment. As an Equal Opportunity Employer, Drexel encourages applications from women, minorities, individuals with disabilities and veterans to apply, and will consider all qualified applicants 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.

Drexel University

College of Computing & Informatics

Multiple Tenure-Track Positions in Information Science

The Department of Information Science invites applications for two tenure-track and tenured faculty positions at the Assistant Professor and Associate Professor levels. Preference will be given to applicants in the areas of Usable Security

Professional Opportunities

and Privacy and Artificial Intelligence for Health Sciences. We encourage applications from candidates with an interest in using these areas of expertise to solve socially relevant problems.

Job Expectations

A successful candidate will possess technical expertise appropriate for their areas of research and will be comfortable and committed to working in a collaborative and multidisciplinary environment. The applicant will be expected to establish a high-quality, high-impact sponsored research program, teach at the undergraduate and graduate levels, and advise and mentor Ph.D. students. Tenure-track faculty are expected to provide service to the Department and University commensurate with rank.

Applicants should submit a cover letter, CV/resume, list of references, and statements describing their research program and teaching interests. Applicants are encouraged to use teaching and research statements to reflect on their experiences in promoting diversity and inclusion. To be considered, applications must be submitted online through Drexel Careers.

Evaluation of applications will be conducted on a rolling basis. Applicants should apply by November 30th, 2021, for full consideration.

Please apply online at <https://careers.drexel.edu/en-us/job/497038/tenure-tenure-track-faculty-information-science>

Background investigations are required for all new hires as a condition of

employment, after the job offer is made. Employment may not begin until the University accepts the results of the background investigation.

For more information about Drexel University, please visit www.drexel.edu.

Drexel University

College of Computing & Informatics Tenure-Track Positions in Computer Science

The Department of Computer Science at Drexel University invites applications for multiple tenure-track and tenured faculty positions at the Assistant Professor and Associate Professor levels. Preference will be given to applicants in the areas of Security & Privacy and Game AI. Candidates should have a Ph.D. in Computer Science or a related field by the time of appointment, as well as a record of high-quality scholarly activities. Applicants for senior positions are expected to have demonstrated exceptional leadership in large-scale, multidisciplinary research programs.

Drexel University is an R1 private university committed to research with real-world applications. The university has over 24,000 students in 15 colleges and schools, and offers one of the largest and best-known cooperative education programs in the country, with over 1,600 co-op employers. Drexel is located on Philadelphia's "Avenue of Technology" in the University City district, a hub of academic, cultural, and historical resources in the nation's eighth-largest metropolitan region.

The Department of Computer Science is one of two departments in Drexel's College of Computing and Informatics (CCI). The college is uniquely positioned as an interdisciplinary and entrepreneurial research and education leader for the 21st century and offers trailblazing research and education to drive innovation to the digital future. CCI is now home to over 2000 students, has introduced innovative programs in AI and Machine Learning and in Data Science, and just recently relocated to a brand-new building with state-of-the-art equipment and facilities.

With a commitment to further expand and grow the faculty in key areas of strength, we seek intellectually curious and rigorous candidates to engage in cutting-edge research and teaching. Successful applicants will be expected to establish strong sponsored research programs, teach at the undergraduate and graduate levels, advise and mentor Ph.D. students, and engage in service to the department, college, university, and the global academic community.

Applicants should submit a cover letter, CV/resume, and list of references, as well as research, teaching, and diversity statements. Please apply online at <https://careers.drexel.edu/en-us/job/496960>. Applications must be submitted online at Drexel Careers to be considered. Evaluation of applications will be conducted on a rolling basis.

Applicants should apply by February 1, 2022, for full consideration.

We are especially interested in qualified candidates who can contribute to the

Professional Opportunities

diversity and excellence of the academic community. Drexel University is an Equal Opportunity/Affirmative Action employer, welcomes individuals from diverse backgrounds and perspectives, and believes that an inclusive and respectful environment enriches the University community and the educational and employment experience of its members. The University prohibits discrimination against individuals on the basis of race, color, national origin, religion, sex, sexual orientation, disability, age, status as a veteran or special disabled veteran, gender identity or expression, genetic information, pregnancy, childbirth or related medical conditions and any other prohibited characteristic.

Background investigations are required for all new hires as a condition of employment, after the job offer is made. Employment may not begin until the University accepts the results of the background investigation.

For more information about Drexel University, please visit www.drexel.edu.

Ecole Polytechnique

Multiple professor and assistant professor positions

Ecole Polytechnique, leading engineering school in France, a member of Institut Polytechnique de Paris, welcomes applications for several academic positions, jobs starting in September 2022:

- 1 Assistant Professor in Computer Science, full-time position

- 1 Assistant Professor in Computer Science, specialty "Computer Networks", full-time position
 - 1 Assistant Monge Professor in Computer Science, specialty "Machine learning", full-time position
 - 1 Professor in Computer Science, specialty "Quantum algorithms", full-time position
- Full-time position holders are expected to join LIX, the joint CS lab of Ecole Polytechnique and CNRS.

Precise information (and in particular contacts) regarding these job offers are available following the link:

<https://portail.polytechnique.edu/informatique/en/recrutement%202022>

Applications are open until March 15, 2022.

Find more about us:

Institut Polytechnique de Paris, <https://www.ip-paris.fr/en/home-en/>

Ecole Polytechnique, <https://www.polytechnique.edu/en>

DIX (CS department), <https://portail.polytechnique.edu/informatique/en>

LIX (CS lab), <https://www.lix.polytechnique.fr>

Computing, capitalizing on the momentum that is propelling Mason into the ranks of some of the most highly regarded public research universities in the nation.

In conjunction with Amazon's decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest \$750 million in the growth of degree programs in computing. At that time, Mason committed to accelerate its plans to grow its capacity in computing-related disciplines and, in June 2021, launched a brand-new School of Computing that sits alongside the Volgenau School of Engineering, under the umbrella of the College of Engineering and Computing.

The School of Computing has 71 tenured and tenure-track faculty and 49 instructional and research faculty with wide-ranging research interests across the Departments of Computer Science, Information Sciences and Technology, and Statistics. The School is also home to nearly 5,000 students and awards four BS degrees, seven MS degrees, three PhD degrees, two undergraduate certificates, and three graduate certificates.

University-wide, Mason has developed significant education and research strengths in computing over the past decade, and today supports 13 undergraduate majors, 22 master's programs, and 11 PhD programs developed specifically to serve individuals interested in computing-related occupations. Building on these strengths, the formation of a contemporary School of Computing—the first in the Commonwealth of Virginia—

George Mason University

College of Engineering and Computing

Divisional Dean, School of Computing

The School of Computing at George Mason University invites applications and nominations for the position of Divisional Dean. The Divisional Dean will play a critical leadership role in guiding the evolution of the newly formed School of

Professional Opportunities

provides the University with unprecedented opportunities both to establish computing as one of its strategic differentiators and to assume a leadership role in shaping the future of computing, regionally, nationally, and globally.

The full Position Profile can be found at <https://bit.ly/GMUComputing>.

By February 7, interested candidates should submit confidentially, in electronic form (Microsoft Word or Adobe PDF files preferred), a curriculum vitae and letter of interest to GMU.Computing@russellreynolds.com.

Grinnell College

Assistant Professor (Open, tenure track)

GRINNELL COLLEGE. Department of Computer Science, tenure-track appointment beginning Fall 2022. Assistant Professor (PhD) preferred; Instructor (ABD)/Associate Professor possible. Search is open to all areas of Computer Science. Candidates interested in teaching systems courses will be prioritized. Candidates with degrees in closely related fields also considered. Candidates should discuss their potential to contribute to a college community that maintains a diversity of people and perspectives as one of its core values.

To be assured full consideration, all application materials should be received by January 28, 2022. Visit <https://jobs.grinnell.edu> and <https://www.cs.grinnell.edu> for details about the job and to apply. Candidates will upload letter of application, curriculum vitae,

undergraduate and graduate transcripts (copies acceptable), research statement, statement of teaching philosophy, and statement describing how candidate can support diversity in the department, College, and discipline. Candidates must provide email addresses for three references. Questions about this search should be directed to Charlie Curtsinger, CSSearch@grinnell.edu, 641-269-3127.

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

Offer contingent on successful completion of background check.

Hampden-Sydney College

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Hampden-Sydney College invites applications for a tenure-track Assistant Professor of Computer Science position beginning August 2022.

For more details and to apply, see:
<http://apply.interfolio.com/92092>

Indiana University Luddy School of Informatics, Computing, and Engineering

Assistant Professors in Computer Systems Engineering (ISE Department)

The Luddy School of Informatics, Computing, and Engineering at Indiana University-Bloomington (IUB) invites applications for two tenure-track Assistant Professor positions in the Department of Intelligent Systems Engineering (ISE) to begin in August 2022. ISE is an innovative program that focuses on the intersection of intelligent computing methods and systems engineering. ISE offers BS, MS, and Ph.D. degrees with specializations in Computer Engineering, Cyber-physical Systems, Bioengineering, and Molecular and nanoscale engineering at the Undergraduate level, with additional graduate-level programs in Neuroengineering and Environmental Engineering.

We are particularly interested in hiring in the academic domain of computer systems engineering including specializations in high-performance computing, intelligent systems, applied machine learning and artificial intelligence, reconfigurable computing, embedded (edge) systems, and cyber-physical systems. Preference will be given to applicants who address systems problems with application in one or more of these ISE concentrations.

Faculty in ISE are expected to develop an active, externally-funded research program engaging students at all levels. Professional duties will include research,

Professional Opportunities

teaching of undergraduate and graduate level courses, participating in course curriculum development and assessment, service to the School, and involvement in professional communities. We seek candidates committed to excellence in teaching courses of interest to a broad range of both undergraduate and graduate engineering students while fostering diversity and inclusion.

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD (or ScD) in Engineering, Computing, or a related scientific discipline expected to be awarded prior to August 2022.

Applications received before December 12, 2021 will be assured full consideration; however, the search will remain open until suitable candidates have been appointed.

Candidates should review application requirements, become informed about IU, the Luddy School, and its many opportunities, and apply online at: <https://indiana.peopleadmin.com/postings/11772>

More information about engineering at IU can be found at: <https://www.engineering.indiana.edu>

Questions may be sent to
isechair@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment based on individual qualifications. Indiana University prohibits discrimination based on age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information,

marital status, national origin, disability status or protected veteran status.

Iowa State University

Technical-Manager/Engineer and Postdoc/Research-Scientist Positions

In part for the ARA wireless living lab project (<https://arawireless.org/>) which is a part of the National Science Foundation Platforms for Advanced Wireless Research (PAWR) program (<https://advancedwireless.org/about-pawr>), we have a Technical-Manager/Engineer position and a Postdoc/Research-Scientist position in wireless and edge systems for rural broadband, 5G and beyond. One mission is to join the ARA project team to establish a large-scale, first-of-its-kind wireless living lab encompassing bleeding-edge technologies and innovation platforms (e.g., those for free-space optical communications, mmWave, massive MIMO, LEO satcom, URLLC, communications and networking softwarization, AR/VR, and precision agriculture) and to collaborate with a broad ecosystem of public-private partners in advancing the frontiers of wireless systems, edge/cloud computing, and rural broadband. More detailed information about the positions can be found at <https://arawireless.org/career/>.

Interested candidates are encouraged to email Hongwei Zhang (hongwei@iastate.edu) with relevant background information (e.g., education, experience, transcripts, and/or publications) and the names of up to three references.

Applications will be considered until the positions are filled.

Kennesaw State University

Computer Science, Information Technology, and Software Engineering department chairs, tenure track and teaching faculty multiple ranks

For more than 50 years, Kennesaw State University has been known for its entrepreneurial spirit and sense of community. A leader in innovative teaching and learning, Kennesaw State is located just north of Atlanta, and combines a suburban setting on two metro-Atlanta campuses in Kennesaw and Marietta. As one of Georgia's largest universities (over 43,000 students), Kennesaw State offers undergraduate and graduate degrees, including a growing number of doctoral programs. A member of the University System of Georgia, Kennesaw State is a Carnegie-designated doctoral research institution (R2) committed to becoming a world-class academic institution positioned to broaden its academic and research missions and expand its scope on a local, regional, and national level. For more information, visit <http://kennesaw.edu> .

The College

The College of Computing and Software Engineering (CCSE) at Kennesaw State University (KSU) is home to more than 4000 students studying Computer Science, Data Science and Analytics, Software Engineering, Computer Game Design and Development, and Information Technology in six undergraduate, four masters, one Ph.D. (in Data Analytics), ten certificates, and five minor programs. With an emphasis on theory and practice, students have experiential learning opportunities and

Professional Opportunities

partner with companies through internships, co-ops, sponsored capstone projects, and theoretical and applied research. The College emphasizes academic quality, student success, graduate student growth, research, and provides ever-expanding opportunities for collaboration with partners within KSU and beyond. In addition to promoting excellent education, CCSE is cultivating a strong research culture that has resulted in a varied and internationally recognized set of research products and is constantly increasing funded research engagements. In FY 2021, CCSE generated over \$1.6 M and is trending an upward trajectory of increasing new funding by 30% in FY2022. To support this growth, CCSE has established three research centers and more than 20 research labs, is expanding its research infrastructure, and has as a priority to establish a PhD in Computer Science. For more information, visit <http://ccse.kennesaw.edu>

Why Atlanta <https://www.selectgeorgia.com/discover-georgia/industries/why-atlanta/>

Positions Available: department chairs, tenure track and teaching faculty multiple ranks, and a grant writer. See more at <https://ccse.kennesaw.edu/jobs.php>

Lehigh University

Open Rank in Computer Science and Engineering

The Department of Computer Science and Engineering (CSE) in the P.C. Rossin College of Engineering and Applied Science at Lehigh University invites applications for tenure-track faculty at the ranks of assistant professor, associate professor,

or full professor. Tenure on appointment is possible for senior candidates. Outstanding candidates in all areas of computer science will be considered. Applicants must hold a Ph.D. in Computer Science or a closely related field prior to the official start of employment.

Founded in 1865, Lehigh University has combined outstanding academic and learning opportunities with leadership in fostering innovative research. Recognized among the nation's highly ranked research universities, Lehigh offers a rigorous academic community for over 7,000 students and about 550 fulltime faculty members. Lehigh University is located in Bethlehem, PA, a vibrant and historic area.

For full consideration, application materials should be received by December 15, 2021.

Candidates applying for a senior position must submit application materials online at <https://academicjobsonline.org/ajo/jobs/20238>. Candidates applying for the junior position without tenure must submit application materials at <https://academicjobsonline.org/ajo/jobs/20237>. Applications should include a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and contact information for at least three references. Questions concerning this search may be sent to faculty-search@cse.lehigh.edu.

Lehigh University is an equal opportunity, affirmative action, and non-discrimination employer that provides competitive salaries and comprehensive benefits and has a well-developed infrastructure to address dual career and work-life

balance matters. As demonstrated by our Core Values and the Principles of Our Equitable Community, Lehigh University is committed to the values of Integrity and Honesty, Equitable Community, Academic Freedom, Intellectual Curiosity, Collaboration, Commitment to Excellence, and Leadership.

Marian University

Assistant Professor of Computer Science

The Department of Mathematics at Marian University in Indianapolis, IN seeks a dynamic and innovative leader for the position of Assistant Professor of Computer Science. A Ph.D. in Computer Science is preferred. A terminal degree in a closely related field, or a Master's degree with significant industry experience, will be considered. Review of applications will begin December 1, 2021, and continue until the position is filled.

Please apply online at <https://marian.peopleadmin.com/postings/634>

Marian University is committed to diversity and encourages persons from diverse backgrounds to apply for this position. Marian University is an Equal Opportunity Employer.

Michigan State University

*Assistant Professor-Tenure System:
Mathematical Foundations of Data Science*

The Department of Computational Mathematics, Science and Engineering at Michigan State University invites applications for a tenure system Assistant

Professional Opportunities

Professor position in mathematical foundations of data science, with special consideration for candidates with backgrounds in big data geometry and topology and their applications. This position will be jointly appointed with the Department of Mathematics. Post-doctoral experience and prior instructional experience as a lecturer and/or teaching assistant are preferred but not required.

Further information can be found on the CMSE website at: <https://cmse.msu.edu/employment-opportunities/assistant-professor-tenure-system-mathematical-foundations-of-data-science/>

Applications should be submitted to the MSU Human Resources site at: <https://careers.msu.edu/en-us/job/508759/assistant-professortenure-system>

Review of applications will begin January 4, 2022, and continue until the position is filled.

Mississippi State University

Faculty Positions in Computer Science and Engineering

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>) is seeking to fill one open position for a tenure-track faculty member at the Assistant/Associate Professor level. Exceptional candidates in all areas will be considered.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The Department of Computer

Science and Engineering offers a B.S. in Computer Science, Software Engineering, Cybersecurity and Computer Engineering. It also offers an M.S. in Computer Science and Cyber Security and Operations, and a Ph.D. in Computer Science. In the last fiscal year, department's research expenditures totaled approximately \$6 million dollars.

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

Candidates must apply at: <http://explore.msujobs.msstate.edu/cw/en-us/job/503441?lApplicationSubSourceID=1> and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications will begin December 15, 2021 and will continue until the position is filled.

Equal Employment Opportunity

Statement: MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, ethnicity,

sex, religion, national origin, disability, age, sexual orientation, genetic information, pregnancy, gender identity, status as a U.S. veteran, and/or any other status protected by applicable law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

What do I do if I need an accommodation? In compliance with the ADA Amendments Act (ADAAA), if you have a disability and would like to request an accommodation in order to apply for a position with Mississippi State University, please contact the Department of Human Resources Management at tel: (662) 325-3713 or ada@hrm.msstate.edu. If you have any questions regarding this policy, contact the Department of Human Resources Management at (662) 325-3713 or ada@hrm.msstate.edu. Upon request, sections of this job listing are available in large print, and readers are available to assist the visually impaired.

NEC Laboratories America, Inc.

Researcher - Machine Learning

NEC Labs' Machine Learning department has openings for researchers with a passion for developing the next generation of machine intelligence and expertise in machine learning with a proven track record of original research, as well as a keen sense for developing practical applications are prerequisites for this position.

Professional Opportunities

Our Machine Learning group has been at the forefront of research in such areas as deep learning, support vector machines, and semantic analysis for almost two decades. Many technologies developed in our group have been released as innovative products and services of NEC, such as systems for recruiting, surveillance, inspection of manufactured goods, and digital pathology. In addition to contributing to NEC's business, our research is published in premier venues. Among the challenges we are tackling now are how to move machine learning to more abstract reasoning and how this can enable new applications in smart manufacturing, safe cities, and personalized healthcare.

<http://www.nec-labs.com/research-departments/machine-learning/machine-learning-home>

Requirements:

- PhD in computer science, statistics, or equivalent
- Research experience in machine learning with strong publication record
- Strong algorithm and numeric computation background
- Programming experience in Python, Lua, C++, or other languages
- Experience with deep learning libraries and platforms a plus, e.g. PyTorch, TensorFlow, or Caffe

For more information about NEC Labs, please access <http://www.nec-labs.com/>, and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=4141735.

Equal Opportunity Employer

NEC Laboratories America, Inc.

Researcher - Data Science

The Data Science team aims to build novel big data solutions and service platforms that simplify complex systems management, and to develop new information technology that supports innovative applications, from big data analytics to the Internet of Things. Our research is both experimental and theoretical, covering many domains in data science and artificial intelligence such as time series analysis, graph mining, NLP and document understanding, and so on. The goal of our research is to fully understand the dynamics of big data from complex systems and build innovative solutions to help end user managing those systems. We have built a number of analytic engines and system solutions to process and analyze big data and support various applications in detection, prediction and optimization. Our research leads to both award-winning NEC products and publications in top conferences.

Our group is looking for researchers to work in the areas of artificial intelligence, machine learning or data mining. The ideal candidates must have expertise in one of the above areas and ability to develop algorithms to analyze massive data and build innovative applications.

Requirements:

PhD in CS/CE with a strong publication record in at least one of the following areas:

- Artificial Intelligence, machine learning, and deep neural networks

- Time series analysis and prediction
- Text mining, natural language processing and information retrieval
- Graph and information network mining
- Large scale optimization and learning
- Signal processing, image processing and computer vision

NEC Labs is located in Princeton, NJ, home of Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean.

For more information about NEC Labs, please access <http://www.nec-labs.com/>, and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=4134286.

Equal Opportunity Employer

NEC Laboratories America, Inc.

Researcher - System Security

The Data Science and System Security Department has been developing novel big data solutions and service platforms that simplify the management of complex systems and optimize business operations. We aim for the next generation data-driven technologies that support more innovative applications including those in 5G, cybersecurity, autonomous driving, and so on. Our research has resulted in both award-

Professional Opportunities

winning NEC products and publications in top conferences.

To advance AI-driven system and security research, the team is looking for researchers with outstanding background in system, networking, and cybersecurity. The ideal candidate should be able to:

- Processing large databases and high-volume streaming data
- NEC Labs is located in Princeton, NJ, home of Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean.
- For more information about NEC Labs, please access <http://www.nec-labs.com/>, and submit your CV and research statement through our career center at https://www.aphone.com/MainInfoReq.asp?R_ID=4134305.**

Equal Opportunity Employer

Applicants must have a Ph.D. degree by Summer 2022 in a relevant discipline, and outstanding academic credentials that demonstrate their ability to conduct independent world-class research and attract external funding. The successful candidate is also expected to show a commitment to both undergraduate and graduate education.

NJIT is designated a Carnegie RI Research University, with \$155M research expenditures in FY20. The Department of Data Science is a new department launched in Fall 2021 with 6 faculty members and plans to grow significantly over the next five years. The department includes faculty at all levels including one Distinguished Professor, has faculty with an NSF CAREER award, active NSF grants, and an NVIDIA AI Lab. The department faculty develop foundational data science methods and conduct research to solve real-world grand challenges that leverage data science in application areas such as FinTech, Health Informatics, and Cybersecurity and play a key role in the NJIT Institute for Data Science, the Center for Big Data, the Cybersecurity Research Center, and the Center for AI Research. The department has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects; these include the major high-tech companies (Amazon, Facebook, Google, Microsoft) as well as financial / Wall Street companies (Bank of America, JP Morgan Chase) and Pharmaceuticals (Johnson and Johnson, Merck). Data Science participates aside of the Computer Science Department, which

Requirements:

Candidates should have a PhD in Computer Science with a strong publication record in systems, networking and security. They should have a fundamental understanding of machine learning and big data analytics, and have experiences in at least one of the following areas:

- Interdisciplinary research spanning system, security and machine learning
- Cloud/network/5G security
- AI applications in security and trust computing
- Intrusion/anomaly detection via system data, e.g., logs and system-call traces
- System vulnerability/attack analysis
- Designing, architecting and building secure systems

New Jersey Institute of Technology

Assistant/Associate Professor in Data Science

The Department of Data Science at New Jersey Institute of Technology (NJIT) invites applications for tenure-track faculty positions starting in Fall 2022. Areas of special interest are Big Data, Biomedical Informatics, Data Visualization, High-Performance Data Analytics, and Machine Learning. Exceptional candidates in other areas will also be considered. While we are interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will also be considered. Senior candidates will be expected to play a leadership role as the Associate Director of the new NJIT Institute for Data Science, whose Director is Distinguished Professor David Bader.

Professional Opportunities

enrolls approximately 1,800 students at all levels across nine programs of study, and the Informatics Department, that enrolls 1,000 students at all levels, in the Ying Wu College of Computing (YWCC). The College comprises 32% of the NJIT enrollment, educating more than 3,400 students in computing disciplines, and graduating close to 1000 computing professionals every year. As such, it is the largest generator of computing talent in the tristate (NY, NJ, CT) area.

To formally apply for the position, please submit your application (including CV and Cover letter) to NJIT's career site: <https://njit.csod.com/ux/ats/careersite/1/home/requisition/3347?c=njit>

You must also submit additional candidate materials online at <https://academicjobsonline.org/ajo/jobs/19179>; the additional candidate materials include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement.

Applications received by 15 December 2021 will receive full consideration. However, applications are welcome until the position is filled. Applications will be evaluated as they are received. Contact address for inquiries: ds-faculty-search@njit.edu

As an EEO employer NJIT is committed to building a diverse and inclusive teaching, research, and working environment and

strongly encourages applications from individuals with disabilities, minorities, veterans, and women.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT's continuing status as a premier institution of higher education and a leading polytechnic university."

New Jersey Institute of Technology

Department Chair Department of Data Science

The Department of Data Science at New Jersey Institute of Technology (NJIT) invites applications for the position of Department Chair. The successful candidate should demonstrate academic leadership skills necessary to create the conditions for faculty and student development and encourage interdisciplinary research across the university as well as with other national and international partners. The chair is expected to play an active role in capitalizing on the department's strengths to elevate the department's visibility and recognition.

The Department of Data Science is a new department launched in Fall 2021 with 6 faculty members and plans to grow significantly over the next five years. The department includes faculty

at all levels including one Distinguished Professor. The faculty in the department have a strong track record of grant funding from NSF, NIH, DoD, DOE, and industry. The department faculty develop foundational data science methods and conduct research to solve real-world grand challenges that leverage data science in application areas such as Cybersecurity, FinTech, Health Informatics, Urban Sustainability, and Solar Terrestrial Research, and play a key role in the NJIT Institute for Data Science, with its centers for Big Data, Cybersecurity Research, and AI Research. The department has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects. Data Science participates aside of the Computer Science Department and the Informatics Department, in the Ying Wu College of Computing (YWCC). The College comprises 32% of the NJIT enrollment, educating more than 3,400 students in computing disciplines, and graduating more than 1000 computing professionals every year. As such, NJIT is the largest generator of computing talent in the tri-state (NY, NJ, CT) area.

NJIT is designated a Carnegie RI Research University, with \$161M research expenditures in FY19. The department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT. This growth is an integral part of NJIT's five-year strategic plan, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research,

Professional Opportunities

collaboration with industry, innovation and entrepreneurship are encouraged and supported. The College has recently expanded its graduate programs, including those in Data Science, to Jersey City, just across the Hudson River from the financial district of Lower Manhattan in New York City, where it serves the many working professionals in that region. NJIT is located in Newark's University Heights, a vibrant downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. NJIT is just a 30-minute train ride from New York City and its burgeoning Silicon Alley tech sector.

Candidates must have a PhD in computing or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Full Professor, including a sustained record of publication in top venues, attracting funding, and mentoring students. The ideal candidate must demonstrate administrative leadership as well as the ability to recruit, mentor and retain diverse research-intensive faculty, maintain a collegial and ethical environment, and work with faculty and students of diverse backgrounds.

To formally apply for the position, please submit your application (including CV and Cover letter) to NJIT's career site: <https://njit.csod.com/ux/ats/careersite/!/home/requisition/3405?c=njit>

You must also submit additional candidate materials online at <https://academicjobsonline.org/ajo/jobs/19698>; the additional candidate materials include a cover letter, CV, Research Statement, Teaching Statement, Diversity Statement and the contact information for at least five references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates are requested to also submit a Diversity Statement.

Applications must be received by December 15, 2021 to receive full consideration. However, applications are welcome until the position is filled.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse

community is critical to NJIT's continuing status as a premier institution of higher education and a leading polytechnic university.

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

New Jersey Institute of Technology

Director of NJIT's Institute for Cybersecurity

The Ying Wu College of Computing (YWCC) at the New Jersey Institute of Technology (<http://computing.njit.edu>) invites applications for a senior faculty member to serve as the Director of the Institute for Cybersecurity. Candidates must have a PhD in computer science or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Associate Professor or above (Full, Distinguished).

The successful candidate will hold a faculty appointment in the department of Computer Science and is expected to lead the creation of the Institute for Cybersecurity, which builds on top of existing research and educational strengths in the area of cybersecurity and will span multiple departments across NJIT. As the Director of the Institute for Cybersecurity, the successful candidate must attract funding and develop collaborative relationships with industry.

NJIT is designated a Carnegie R1 Research University, with \$161M research expenditures in FY20. The Computer Science Department is ranked 77 nationally by csrankings.org, and has 29 tenured/tenure track faculty, with eight NSF CAREER awardees and one DARPA Young Investigator recipient, and a research expenditure of 12 Million dollars in FY20. The department has strong connections with

Professional Opportunities

local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects; these include major high-tech companies (Amazon, Apple, Facebook, Google, Microsoft) as well as financial / Wall Street companies (Bank of America, JP Morgan Chase) and Pharmaceuticals (Johnson & Johnson, Merck).

To apply for the position, please submit your application (including CV and Cover letter) to NJIT's career site: <https://njit.csod.com/ux/ats/careersite/l/home/requisition/3409?c=njit>. You must also submit additional candidate materials online at <https://academicjobsonline.org/ajo/jobs/19436>; the additional candidate materials must include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement.

Applications received by December 31, 2021 will receive full consideration.

However, applications are reviewed until all the position is filled. Contact address for inquiries: cs-facultysearch@njit.edu

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and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT's continuing status as a premier institution of higher education and a leading polytechnic university.

New Jersey Institute of Technology

Founding Director, NJIT-BGU Institute for Future Technologies

New Jersey Institute of Technology (NJIT) (<http://www.njit.edu>) invites applications for a senior faculty member to serve as the Director of the Institute for Future Technologies - the embodiment of the recently announced partnership between NJIT and Israel's Ben-Gurion University of the Negev (BGU), physically located in Jersey City, NJ.

The Institute for Future Technologies (IFT) encapsulates activities primarily in Cyber and Information Technologies, revolving around joint research, joint graduate degrees and support of innovation and entrepreneurship (tech transfer and commercialization). Candidates must hold a PhD in computing or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Associate Professor or above. Although serving both NJIT and BGU, the successful candidate will hold a permanent faculty appointment in one of the three

departments of the Ying Wu College of Computing (YWCC) at NJIT: Computer Science, Informatics or Data Science. As Founding Director of the Institute, s/he will continue to develop and implement a vision for a partnership between two leading educational institutions on different continents, bridging two different systems, cultures and traditions, while synergizing the best of both. S/he must be comfortable working with both institutions, their faculty, staff and leadership and spending time at BGU in Israel building productive working relationships. S/he must build visibility, attract funding and develop collaborative relationships with industry. The ideal candidate should have a strong business sense, experience in new program/center development and an understanding of what it takes to operate in a competitive environment. Exceptional leadership, managerial, organizational and communication skills, financial acumen and the potential to fundraise are essential.

NJIT is designated a Carnegie RI Research University, with \$161M research expenditures in FY20. YWCC is designated by NSA as a Center for Academic Excellence in Cybersecurity and it serves as host to an NSF site of the CyberCorps Scholarship for Service program. YWCC has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects. YWCC enrolls 3,500 students at all levels across 17 programs of study and three departments and graduates more than 900 computing professionals every year; as such, it is the largest producer of computing talent in the tri-state area

Professional Opportunities

and is undergoing significant growth as a priority area for NJIT.

NJIT is located in Newark's University Heights, a vibrant sprawling urban campus. The Newark/ New York City metropolitan area is emerging as an important high technology hub, with a burgeoning Silicon Alley tech sector, which includes large tech companies as well as a vibrant ecosystem of innovative start-ups. NJIT has recently established a presence and expanded its graduate programs to Jersey City ("NJIT@JerseyCity"), just across the Hudson River from the financial district of Lower Manhattan in New York City, where it serves the vast pool of working professionals in the region. The Founding Director position will be physically housed at the NJIT@JerseyCity location.

Ben-Gurion University of the Negev (BGU) is the fastest growing research university in Israel – a country known for its technological prowess as the "Startup Nation". With 20,000 students, 6,000 staff and faculty members, and three campuses in Beer-Sheva, Sde Boker and Eilat, BGU is an agent of change, fulfilling the vision of David Ben-Gurion, Israel's legendary first prime minister. International students coming from over 75 countries are an important component on its vibrant campuses.

BGU is at the heart of Beer-Sheva's transformation into an innovation district, where leading multinational corporations and start-ups eagerly leverage BGU's expertise to generate innovative R&D. The Israeli government has catalyzed this by

making significant investments both in the tech ecosystem in Beer Sheva and in BGU.

To formally apply for the position, please submit CV, Cover letter, Research Statement, Teaching Statement, and the contact information for at least three references to NJIT's career site: <https://njit.csod.com/ux/ats/careersite/1/home/requisition/3476?c=njit>

Applications received by December 31, 2021 will receive full consideration. However, applications are welcome until the position is filled.

International candidates are especially welcome.

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT's continuing status as a premier institution of higher education and a leading polytechnic university.

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New Jersey Institute of Technology

Multiple positions in Information Science / Information Technology

The Informatics Department seeks outstanding faculty for multiple tenure-track positions. We seek candidates with a Ph.D. in a computing or computing-related discipline and a strong record of research.

The areas of interest include, but are not restricted to:

- Social computing and network analytics
- Human-computer interaction
- Information Science and Data Mining
- Networks & Cloud Computing
- Cybersecurity
- Visual computing and computer graphics
- Information Technology

Outstanding candidates in other information science, information technology, and computational areas will also be considered.

Work Environment and Advantages

Incoming tenure-track faculty begin with a **teaching load of only 1/1**, supporting a highly productive research agenda. NJIT offers competitive salaries: **top 1% in faculty pay among 1,292 public universities**.

With a location less than **25 minutes from Manhattan**, NJIT is situated squarely within the greater New York infotech corridor. NJIT has ongoing projects and collaborations with Google, Facebook, IBM, Verizon, Audible, Panasonic, and many tech start-ups.

Professional Opportunities

NJIT has recently expanded its graduate programs to a new Jersey City campus, with waterfront, skyscraper facilities overlooking Lower Manhattan.

The Informatics Department is part of the Ying Wu College of Computing (YWCC), the **largest college of computing in the tri-state region** of New York, New Jersey, and Pennsylvania and one of the largest in the USA. About 25% of all high-tech employees in New Jersey have trained at YWCC. YWCC carries out innovative projects funded by NSF, NIH, DARPA, and partner companies such as Oculus, Verizon, and others.

NJIT is located in the University Heights area, an academic mecca with more than 50,000 college students across five universities and colleges. NJIT and Rutgers-Newark are side-by-side sister campuses with shared programs, classes, and research projects.

Apply for a tenure-track position @NJIT

To formally apply for the position, please submit your application (including CV and Cover letter) to NJIT's career site: <https://njit.csod.com/ux/ats/careersite/1/home/requisition/3346?c=njit>

You must also submit additional candidate materials online at <https://academicjobsonline.org/ajo/jobs/19181>; the additional candidate materials include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates

who have a track record in DEI are requested to also submit an optional Diversity Statement.

For additional information and inquiries, contact informatics@njit.edu or call the Search Committee Chair, Dr. Mike Halper, at (973) 596-5764.

International candidates are especially welcome.

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

New Jersey Institute of Technology

Tenure-Track Faculty Positions

The Computer Science Department at the New Jersey Institute of Technology (NJIT) invites applications for tenure-track faculty positions starting in Fall 2022. We have two open positions, a position

specifically targeted to cybersecurity, and another position in any area of mainstream computer science (e.g. Machine Learning, Artificial Intelligence, Programming Languages, Software Engineering). While we are interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will also be considered.

NJIT is designated a Carnegie R1 Research University, with \$161M research expenditures in FY20. The Computer Science Department is ranked 77 nationally by csrankings.org, and has 29 tenured/tenure track faculty, with eight NSF CAREER awardees and one DARPA Young Investigator award, and a research expenditure of 12 Million dollars in FY20. The Computer Science Department enrolls approximately 1,900 students at all levels across eleven programs of study and takes part, alongside the Department of Informatics and the Department of Data Science, in the Ying Wu College of Computing. The College has an enrollment of more than 3,300 students in computing disciplines, and graduates more than 900 computing professionals every year; as such, it is the largest purveyor of computing talent in the tristate (NY, NJ, CT) area.

To apply for the position, please submit your application (including CV and Cover letter) to NJIT's career site: <https://njit.csod.com/ux/ats/careersite/1/home/requisition/3343?c=njit>.

You must also submit additional candidate materials online at <https://academicjobsonline.org/ajo/jobs/19180>; the additional candidate materials must include a cover letter, CV, Research Statement, Teaching Statement, and

Professional Opportunities

the contact information for at least three references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement. Applications received by December 31, 2021 will receive full consideration. However, applications are reviewed until all the positions are filled. Contact address for inquiries: cs-facultysearch@njit.edu.

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

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT's continuing status as a premier institution of higher education and a leading polytechnic university.

New York University

Tenure-Track Positions in Artificial Intelligence

As a part of its Artificial Intelligence Initiative, New York University invites candidates to apply for tenure-track

positions in AI. The search is conducted jointly by the NYU Courant Computer Science department, the NYU Center for Data Science, the NYU Tandon Computer Science and Engineering Department, and the NYU Tandon Electrical and Computer Engineering Department; the faculty appointments can be in any of the four units, or joint.

We are looking for strong candidates working in a broad set of areas of AI, including, but not limited to, machine learning, natural language processing, computer vision, robotics, AI for Health. Competitive salaries and startup packages will be offered. New appointees are expected to be outstanding scholars and to participate in teaching at all levels from undergraduate to doctoral. NYU offers an outstanding scholarly environment, with a large and rapidly expanding group of faculty working in AI.

Collaborative research with industry is facilitated by geographic proximity to AI research labs at Facebook, Google, DeepMind, Amazon, Microsoft Research, IBM, Bell Labs, AT&T Research, Flatiron Institute and many companies and non-profits involved in AI research and applications.

For candidates interested in AI for Health, ample opportunities exist to develop collaborative and translational research projects with NYU Langone Medical Center, the Grossman School of Medicine, the College of Dentistry, and other top-notch medical institutions in the New York area.

NYU belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and

our faculty are supported by a range of work-life balance programs provided by the NYU Office of Work Life (link: <https://www.nyu.edu/about/leadership-university-administration/office-of-the-president/office-of-the-provost/work-life.html>).

For full consideration, please apply by December 1, 2021, though we will continue to review applications past that date as needed.

QUALIFICATIONS:

A PhD in Computer Science or a related field is required.

Required application materials:

- CV
- Cover Letter
- Research Statement
- Teaching Statement
- Three (3) confidential letters of recommendation
- Three (3) of your most significant publications, software, or research products

We encourage applicants to include an optional statement of experience with or knowledge of inclusion, diversity, equity, and belonging efforts and your plans for incorporating them into your teaching, research, mentoring, and service.

APPLY:

Please apply through Interfolio via this link.

<https://apply.interfolio.com/96495>

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

Professional Opportunities

New York University

Assistant or Associate Professor in Medical Image Analysis

Department of Computer Science and Engineering

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for a tenure-track professor position at the level of Assistant or Associate Professor, to start September 2022.

This search is part of the Health Engineering cluster hire at NYU Tandon, a strategic effort to invest in Research and Technologies related to Health. More information about NYU's broader Faculty Cluster Hiring Initiative, can be found [here](#) and [here](#).

The focus of this search is in **Medical Image Analysis**. We seek candidates with excellent qualifications in mathematical, algorithmic and statistical concepts foundational to image analysis, including core areas of AI such as computer vision and machine learning. Candidates should have a proven record in interdisciplinary collaborative research primarily related to medical or biomedical research. NYU offers unparalleled opportunities for research across boundaries through interdisciplinary collaborations with NYU's top-ranked medical school, with centers and research programs in optical and radiological imaging, neuroscience, systems genetics, and with research departments including Radiology, Ophthalmology, Orthopedic Surgery, Psychiatry, Rehabilitation Medicine, and Global Public Health. You will also have opportunities to initiate

collaborations with Tandon's Biomedical Engineering Department, possibly with a joint appointment, the Center for Biomedical Imaging (CBI) of the Department of Radiology, the Computer Science Department of the Courant Institute, and the NYU Center for Data Science.

Qualifications

You should have a Ph.D. degree in computer science or a closely related discipline. We seek individuals with evidence of excellent scholarship who have the potential or demonstrated ability to develop and lead a strong research program. You should demonstrate or show potential for excellence in teaching and mentoring.

Application Instructions

Please submit the following materials electronically:

- Cover letter
- Current CV
- Research and Teaching statements
- A statement of your experience with or knowledge of ***inclusion, diversity, equity, and belonging efforts*** and your plans for incorporating them into your teaching, research, mentoring, and service.
- Recent teaching evaluations (if available)
- Names and contact information for three references. Referees will upload confidential letters of reference in the Interfolio system.

We will review applications beginning in early December and will continue until we fill the position. We encourage you to submit early.

Apply Here:

<https://apply.interfolio.com/98695>

About Us

The Department of Computer Science and Engineering (CSE) at the NYU Tandon School of Engineering (NYU Tandon) is home of centers and research teams that are among the top groups in the country.

Departmental research areas include big data management, analysis and visualization, imaging, security and privacy, algorithms and theory, and machine learning. We have groups working in interdisciplinary research areas like AI for games, fair and responsible data science, cybercrime, public health and social media, online political communication, urban computing, and sports analytics.

New York University (NYU) is one of the top private universities in the United States. NYU Tandon School of Engineering has an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. Our mission is to excel in research, teaching, and entrepreneurship. We aim to inspire and educate engineers for the 21st century. NYU Tandon faculty are world renowned leaders in science and technology, with a strong commitment to research, innovation, and entrepreneurship that make a difference in the world. Our faculty and students are part of the high-tech start-up culture in New York City and in downtown Brooklyn, and we support four "future lab" business incubators that connect our students and faculty to today's innovation economy.

Professional Opportunities

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

NYU Tandon is committed to substantially increase the proportion of our faculty from historically underrepresented groups in STEM and we encourage candidates from such groups to apply. We aspire to create a climate where diversity and inclusion are not only appreciated but considered an asset for creativity and innovation, and we seek faculty who have a real passion for a culturally diverse environment. We take pride in our high numbers of female students and students who are the first in their family to go to college. NYU belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and our faculty are supported by a range of work-life balance programs provided by the [NYU Office of Work Life](#).

Equal Employment Opportunity Statement

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

NYU is an Equal Opportunity Employer and is committed to a policy of equal treatment and opportunity in every aspect of its recruitment and hiring process without regard to age, alienage, caregiver status, childbirth, citizenship status, color, creed, disability, domestic violence victim status, ethnicity, familial status, gender and/or gender identity or expression, marital status, military status, national origin, parental status, partnership status,

predisposing genetic characteristics, pregnancy, race, religion, reproductive health decision making, sex, sexual orientation, unemployment status, veteran status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

Sustainability Statement

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

New York University

Tandon School of Engineering

Contract Faculty, Department of Computer Science and Engineering, New York University

The Department of Computer Science and Engineering

at the NYU Tandon School of Engineering invites applications for two full time, non-tenured, renewable faculty positions in **Computer Science**, at the level of Industry Assistant Professor or Industry Associate Professor, with start dates of **January 2022 and September 2022, respectively**.

An Industry Professor's primary roles are teaching, mentoring, and educational innovation, and the position may also entail some administrative work and outreach. The professor may be responsible for managing a team of teaching assistants. The normal teaching load is 3 courses per academic semester.

Qualifications

We invite applicants for classroom teaching in all areas of Computer Science, including a broad range of undergraduate and graduate courses, including, but not limited to algorithms, software engineering, artificial intelligence, machine learning, databases, operating systems, and security. You should be an excellent teacher with substantial experience.

At least an MS degree or equivalent in Computer Science or a closely related discipline is required. A Ph.D. degree in Computer Science or a closely related discipline is a strong advantage, as is a record of industrial experience, but neither is necessary.

Application Instructions

Please submit the following materials electronically:

- Cover letter
- Current CV
- Teaching statement
- A statement of your experience with or knowledge of **inclusion, diversity, equity, and belonging efforts** and your plans for incorporating them into your teaching, research, mentoring, and service.
- Recent teaching evaluations (if available)
- Names and contact information for three references who are willing to write letters on your behalf.
- Contact information for three references. Referees will upload letters of reference in the Interfolio system.

We will review applications beginning on November 20, 2021 and will continue

Professional Opportunities

until we fill the position. We encourage you to submit early. Should you have any questions please contact Jeff Epstein at jeff.epstein@nyu.edu.

Apply Here:

<https://apply.interfolio.com/98452>

About Us

New York University (NYU) is one of the top private universities in the United States. NYU Tandon has an illustrious past as Brooklyn Poly and NYU Polytechnic School of Engineering. Our mission is to excel in research, teaching and entrepreneurship. We aim to inspire and educate engineers for the 21st century. NYU Tandon faculty are world renowned leaders in science and technology, with a strong commitment to research, innovation, and entrepreneurship that make a difference in the world. With NYU's unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning, and we lead in online education and in K-12 STEM outreach. Our students conduct Vertically Integrated Research projects and participate in an extensive undergraduate summer research program.

The Department of Computer Science and Engineering offers BS degrees in **Computer Science and Computer Engineering**, MS degrees in Computer Science, Computer Engineering, Cybersecurity, Cybersecurity Risk and Strategy, and a PhD degree in Computer Science.

NYU Tandon is committed to substantially increase the proportion of our faculty

from historically underrepresented groups in STEM and we encourage candidates from such groups to apply. We aspire to create a climate where diversity and inclusion are not only appreciated but considered an asset for creativity and innovation, and we seek faculty who have a real passion for a culturally diverse environment. We take pride in our high numbers of female students and students who are the first in their family to go to college. Tandon belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and our faculty are supported by a range of services and programs provided by the [NYU Office of Work Life](#).

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

Sustainability Statement

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

New York University

Tandon School of Engineering

Department Chair and Professor

The Department of Computer Science and Engineering (CSE) at the NYU Tandon School of Engineering (NYU Tandon) invites applications for the position of Department Chair and Professor of CSE, with an anticipated start date of September 1, 2022.

The CSE department has 22 tenured/tenure-track faculty members, including 13 NSF CAREER Award winners, as well as 13 contract faculty members. We have multiple tenure track faculty slots open for growth. The department has a history of collaborative research across NYU, including with the Center for Urban Science and Progress, the Center for Data Science, the Grossman School of Medicine, the Global School of Public Health, the Courant Institute of Mathematical Sciences, and other Tandon School of Engineering Departments.

Departmental research areas include big data management, analysis, and

Professional Opportunities

visualization, security and privacy, algorithms and theory, and machine learning. We also have groups working in interdisciplinary research areas like AI for games, fair and responsible data science, cybercrime, public health and social media, online political communication, urban computing, and sports analytics.

Qualifications

The Department Chair is expected to provide vision, leadership and administrative oversight for maintaining excellence in the education and research programs in the department. As the primary academic leader in the department, the Chair will serve as the primary representative of the department within the School, the University, and the community-at-large.

Successful candidates should have a Ph.D. degree in Computer Science, or a closely related discipline. We seek an individual with a strong record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent funding record.

Application Instructions

Please submit the following materials electronically:

- Cover letter
- Current CV
- Research statement
- Teaching statement
- A statement of your experience with or **knowledge of inclusion, diversity, belonging, and equity** (IDBE) efforts and your plans for incorporating them

into your teaching, research, mentoring, and service

- Recent teaching evaluations (if available)
- Names and contact information for four references.

Apply here:

<https://apply.interfolio.com/96792>

We will review applications beginning on November 1, 2021, and will continue until we fill the position. We encourage you to submit early.

About Us

New York University (NYU) is one of the top private universities in the United States. NYU Tandon School of Engineering has an illustrious past as "Brooklyn Poly" and Polytechnic University. Our mission is to excel in research, teaching, and entrepreneurship. We aim to inspire and educate engineers for the 21st century. NYU Tandon faculty are world renowned leaders in science and technology, with a strong commitment to research, innovation, and entrepreneurship that make a difference in the world. We lead and have ties to multidisciplinary centers in wireless technology, cybersecurity, urban informatics, data sciences, artificial intelligence, renewable energy, and health, among others. Our faculty and students are part of the high-tech start-up culture in New York City and in downtown Brooklyn, and we support four "future lab" business incubators that connect our students and faculty to today's innovation economy. With NYU's unrivaled global network of campuses, we promote a truly global engineering education. We are deeply committed to teaching and learning.

NYU Tandon is committed to substantially increase the proportion of our faculty from historically underrepresented groups in STEM and we encourage candidates from such groups to apply. We aspire to create a climate where diversity and inclusion are not only appreciated but considered an asset for creativity and innovation, and we seek faculty who have a real passion for a culturally diverse environment. We take pride in our high numbers of female students and students who are the first in their family to go to college. NYU belongs to the Higher Education Recruitment Consortium (HERC), which assists with dual-career searches, and our faculty are supported by a range of work-life balance programs provided by the [NYU Office of Work Life](#).

Equal Employment Opportunity Statement

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

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

Professional Opportunities

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

Sustainability Statement

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

North Carolina State University

Faculty Position In Quantum Computing

Departments of Computer Science and Electrical & Computer Engineering

The Departments of Computer Science and Electrical & Computer Engineering are seeking to fill a joint tenure-track faculty position in quantum computing beginning in August 2022. The position is made possible through an NSF Quantum Computing & Information Science Faculty Fellow Grant. It is anticipated that hiring will be at the Assistant or Associate Professor rank.

Candidates in all areas of quantum computing will be considered, with particular emphasis on topics synergistic with the IBM Q Hub at NC State, <http://quantum.ncsu.edu>, and on candidates whose interests contribute to a rapidly-growing multi-disciplinary quantum community across the NC State campus. Presently, the IBM Q Hub provides access to multiple

IBM quantum processors ranging from 1 to 65 qubits, including pulse-level control of qubit operations. Experience or interest in other quantum computing technologies would also be welcome.

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. Candidates must possess a Ph.D. or equivalent in computer science, electrical or computer engineering, or a related discipline at the time of appointment, and must have demonstrated the potential to build a strong research program and an excellent teaching record.

The Department of Computer Science, part of NC State's College of Engineering, is one of the largest and oldest in the country. Research expenditures, national ranking, and recognition have been growing steadily. For example, we have one of the largest concentrations of prestigious NSF Early Career Award winners (30 of our current or former faculty are recipients.) The ECE Department is one of the top 10 suppliers of ECE talent at the BS level in the US, and also ranks in the top 10 public ECE Departments in total annual research expenditures



**NC STATE
UNIVERSITY**

Goodnight Distinguished Chair in Quantum Computing

Posting Number: PG191325EP

Internal Recruitment: No

Anticipated Hiring Range: Commensurate with education/experience

Work Schedule: Academic Position - Hours Vary

Job Location: Raleigh, NC

Department: Electrical & Computer Engineering

About the Department

The Department of Electrical and Computer Engineering (ECE) is one of the top 10 suppliers of ECE talent at the BS level in the US, and also ranks in the top 10 ECE Departments in total annual research expenditures (ASEE). The department is located in state-of-the-art facilities on NC State's Centennial Campus.

The University is located in the technology-rich Research Triangle metropolitan area, and ECE faculty members collaborate routinely with local industry. The Research Triangle area is frequently recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, and great weather, all in the proximity of the mountains and the seashore.

Essential Job Duties

The Department of Electrical and Computer Engineering invites applications for the Goodnight Distinguished Chair in Quantum Computing. The appointment to this endowed chair will help lead the growth of a multidisciplinary university activity synergistic with the IBM Q Hub at NC State, <http://quantum.ncsu.edu>. The appointment will be at the tenured, full professor level, and all areas of quantum computing will be considered. The successful candidate is expected to build an internationally recognized research program, demonstrate ability to attract external funding, teach courses at the undergraduate and graduate level, and is expected to serve as research adviser for doctoral students.

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.

Other Responsibilities:

Other duties as assigned.

Minimum Education and Experience

- Candidates must possess a Ph.D. or equivalent in electrical or computer engineering, computer science, physics or a related discipline at the time of appointment.
- Candidates must have demonstrated the potential to build a strong research program and an excellent teaching record.

Other Required Qualifications

- Candidate must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university.
- Candidate must 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.

Job Open Date: 11/01/2021

Anticipated Close Date: Open Until Filled

Special Instructions to Applicants:

Applicants should submit the following online: cover letter, curriculum vitae, research statement, teaching statement, diversity, equity, and inclusion statement (use Other Document 1), and names and contact information for four(4) professional references, including email address and phone numbers.

Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised at <http://www.ece.ncsu.edu>. Inquiries and nominations may be directed to NC State's Executive Search Services team:

Frank Barragan, Recruitment Services Manager
919-791-7641
fbarrag@ncsu.edu

Justin Lang, Director
919-513-1963
jlang2@ncsu.edu

Position Number: 00005071

Position Type: Tenured/Tenure-Track Faculty

Full Time Equivalent (FTE): (1.0 = 40 hours/week) 1.00

Appointment: 9 Month Recurring

Mandatory Designation - Adverse Weather: Non Mandatory - Adverse Weather

Mandatory Designation - Emergency Events: Non Mandatory - Emergency Event

This position partially or fully funded on ARRA stimulus monies? No

Department ID: 140401 - Electrical & Computer Engr.

A/E/O

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.

If you have general questions about the application process, you may contact Human Resources at (919) 515-2135 or workatncstate@ncsu.edu. Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148.

Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If highest degree is from an institution outside of the U.S., final candidates must have their degree equivalency 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.

Apply At: <https://apptrkr.com/2634707>

Professional Opportunities



Department of Electrical & Computer Engineering

FACULTY POSITIONS

The Department of Electrical and Computer Engineering is seeking to fill multiple tenure-track faculty positions beginning in August 2022. It is anticipated that hiring will be at the Assistant or Associate Professor rank, but candidates at all levels will be considered.

More information about the position can be found at <https://apptrkr.com/2670231>

(ASEE). The CSC and ECE departments have distinguished faculties, including a number of AAAI Fellows, ACM Fellows, and IEEE Fellows. The departments are located in close proximity in state-of-the-art facilities on NC State's Centennial Campus.

NC State University is located in the technology-rich Research Triangle metropolitan area, and faculty members collaborate routinely with local industry. The Research Triangle area is frequently recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, and great weather, all in the proximity of the mountains and the seashore.

Applications will be reviewed as they are received. Applicants will receive consideration starting on November 16, 2021.

Applicants should submit the following online at <http://jobs.ncsu.edu> (reference position number 00000572): cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the departments and

their research programs, as well as more detail about the position advertised, at <http://www.csc.ncsu.edu> and <http://www.ece.ncsu.edu>. Inquiries may be sent via email to the Faculty Search Committee Chair, at qcfacultyhire@ncsu.edu.

NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148.

Final candidates are subject to 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 Teaching Professor/Associate Teaching Professor/Full Teaching Professor

The Khoury College of Computer Sciences at Northeastern University invites applications for one or more positions at the rank of Assistant Teaching Professor/Associate Teaching Professor/Full Teaching Professor for AY2022-2023 at our campus in Boston, where we offer undergraduate, MS, and PhD programs. We also offer the Align program, a national initiative to close America's tech diversity gap by offering an innovative Master of Science in CS for non-computer science majors. We are seeking highly motivated individuals committed to excellence in teaching. Full-time appointments at all ranks are renewable, career-focused, non-tenure-track positions with responsibilities in teaching and service.

We are seeking faculty to teach undergraduate and graduate courses in one or more of the following areas: Computer Science, Data Science, Cybersecurity, and Health Informatics. The successful candidate will create course content and materials, and they will collaborate with colleagues to develop academic relationships within the university and the local community. Building relationships with students and service to the college and university are integral components of the position. Khoury College also supports leadership efforts by teaching faculty that include research and scholarship, diversity initiatives, and service to the local Boston community.

Professional Opportunities

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

Khoury College has grown rapidly over the last five years in response to increased student demand at the BS, MS, and PhD levels and we expect to continue this rapid growth for the next several years. We invite you to join a fast-moving, ambitious college with an underlying mission that is driven by our motto of "CS for Everyone." Khoury College is committed to diversity and inclusion in computer science. We aim to establish a computing population—students, faculty, researchers, and staff—that reflects today's global society.

Northeastern University is home to 35,000 full- and part-time graduate and undergraduate 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.

Additional information and instructions for submitting application materials may be found at the following website: Careers at Northeastern, <https://careers.hrm.northeastern.edu/en-us/job/507955/assistantassociatefull-teaching-professorboston>

Compensation is commensurate with qualifications and includes an outstanding benefits package.

For more information about the College, please visit <http://khoury.northeastern.edu/>

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

All qualified applicants are encouraged to apply and will receive consideration for employment. Northeastern does not discriminate against any applicant or employee because of 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.

Northeastern University

Open Rank Teaching Faculty

The Roux Institute and Khoury College at Northeastern University in Portland, Maine invites applications for multiple open-rank CS teaching faculty positions, beginning spring, summer, or fall 2022 (the ad states 2021, but this is for next year). Applications will start being reviewed on November 19th.

Apply Here: <https://careersmanager.pageuppeople.com/879/cw/en-us/job/503828/open-rank>



Assistant/Associate/Full Teaching Professor Electrical and Computer Engineering - Computer Engineering

About Northeastern: Founded in 1898, Northeastern is a global research university and the recognized leader in experience-driven lifelong learning. Our world-renowned experiential approach empowers our students, faculty, alumni, and partners to create impact far beyond the confines of discipline, degree, and campus.

Our locations—in Boston; Charlotte, North Carolina; London; Portland, Maine; San Francisco; Seattle; Silicon Valley; Toronto; Vancouver; and the Massachusetts communities of Burlington and Nahant—are nodes in our growing global university system. Through this network, we expand opportunities for flexible, student-centered learning and collaborative, solutions-focused research.

Northeastern's comprehensive array of undergraduate and graduate programs—in a variety of on-campus and online formats—lead to degrees through the doctorate in nine colleges and schools. Among these, we offer more than 195 multi-discipline majors and degrees designed to prepare students for purposeful lives and careers.

About the Opportunity: Northeastern University's Department of Electrical & Computer Engineering seeks outstanding candidates for the position of Assistant/associate/full teaching professor with a focus on Computer Engineering in the area of software engineering and programming structures. This is a full-time, benefits-eligible, Non-Tenure-Track position. Appointments are made on an annual 8-month basis, with salary commensurate with experience.

Responsibilities: The position of Assistant Teaching professor entails educational interaction with students in roles including, but not limited to, traditional instruction (lecture courses, lab courses), curriculum development, and student advising. The main responsibility of this position is teaching Computer Engineering classes. The annual teaching course load is six courses, with the potential for teaching more than one section of a course in the same semester, over Fall and Spring semesters. Courses may be at both the undergraduate and graduate levels.

Teaching professors are also encouraged to pursue scholarly research on both educational and pedagogical topics as well as in their technical area of expertise, and have the opportunity to supervise graduate students.

Qualifications: A PhD in Computer Engineering, Electrical Engineering, or Computer Science with a commitment to teaching excellence, is required by the appointment start date. Candidates should have expertise with a range of Computer Engineering subareas, which may include software engineering, programming structures, algorithms, embedded systems, digital logic design and computer architecture. Excellent written and oral communication skills are required.

Application should include a cover letter, CV, teaching statement, 3 references. A sample syllabus from a previously taught class is optional but recommended.

Salary Grade: FAC

Additional Information:

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.

Job link: <https://apptrkr.com/2646447>

Professional Opportunities

Northeastern University

*Teaching track position at
Northeastern San Francisco Bay Area*

The Khoury College of Computer Sciences at Northeastern University invites applications for an open-rank CS teaching faculty position beginning Fall 2022 in the San Francisco Bay Area with campuses in San Francisco and San Jose. Khoury College offers the Master of Science in both Computer Science and Data Science (in conjunction with the College of Engineering) with the Align bridge program available for both programs.

To apply and for more information, see [the official job posting](#).

In this SIGCSE 2020 paper you can learn more about the Align program:

*An MS in CS for non-CS Majors:
Moving to Increase Diversity of
Thought and Demographics in CS* by
Carla Brodley, et.al.

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.

**Northeastern
University**



**Assistant/Associate/Full Professor
Electrical and Computer Engineering**

About Northeastern:

Founded in 1898, Northeastern is a global research university and the recognized leader in experience-driven lifelong learning. Our world-renowned experiential approach empowers our students, faculty, alumni, and partners to create impact far beyond the confines of discipline, degree, and campus. Our locations—in Boston; Charlotte, North Carolina; London; Portland, Maine; San Francisco; Seattle; Silicon Valley; Toronto; Vancouver; and the Massachusetts communities of Burlington and Nahant—are nodes in our growing global university system. Through this network, we expand opportunities for flexible, student-centered learning and collaborative, solutions-focused research.

Northeastern's comprehensive array of undergraduate and graduate programs—in a variety of on-campus and online formats—lead to degrees through the doctorate in nine colleges and schools. Among these, we offer more than 195 multi-discipline majors and degrees designed to prepare students for purposeful lives and careers.

About the Opportunity:

Assistant/Associate/Full Professor - Electrical and Computer Engineering
The Department of Electrical and Computer Engineering at Northeastern University invites applications for multiple open positions at all levels. We seek exceptional candidates with research interests and accomplishments in all areas of Electrical and Computer Engineering, including Internet of Things and Networking, Wireless Systems; Materials, Devices and Circuits for emerging Micro, Nano and Quantum systems; Advanced Nanomanufacturing, and all areas of Robotics. The Department is also interested in candidates with interdisciplinary backgrounds at the intersection between ECE and other disciplines; as well as in candidates focused on applications of ECE to smart cities, neurosciences, space exploration, health sciences, environmental sciences, security and resilience, among others.

Qualifications:

A Ph.D. in Electrical and Computer Engineering, Computer Science, or in an interdisciplinary area of interest by the start date is required. Successful candidates will be expected to develop strong independent research programs and to excel in teaching in both our undergraduate and graduate programs

Preferred Qualifications:

Outstanding candidates at all levels will be considered. Candidates should be committed to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to Northeastern University education.

Salary Grade:

Additional Information:

Northeastern's ECE department has 69 Tenured/Tenure Track faculty members, with established areas of excellence in high performance computing, robotics, IoT technologies, wireless systems, materials and devices, power systems, cybersecurity (NU is an NSA Center of Excellence in both education and research), and communications/ networking/ signal processing. For more information about the faculty openings please contact chair of the hiring committee at <mailto:ecehiringchair@ece.neu.edu>.

Northeastern University is ideally located in the heart of Boston and is in close proximity to a number of major academic institutions and innovative technology companies and installations. Northeastern's departments and research centers maintain strong collaborative interactions with many of these institutions, and the University is also home to a number of NSF-, DHS-, NIST and NIH-supported core research centers. At the core of the Northeastern engineering education experience is our top ranked cooperative education program.

Applications should include a complete curriculum vita, a statement of current and future research interests, a statement of teaching interests, a statement of diversity, equity and inclusion, and contact information for at least four references. Review of applications will begin immediately and will proceed until the positions are filled. Northeastern ECE embraces diversity and seeks candidates who can contribute to a welcoming climate for students and faculty of all races and genders.

Northeastern University seeks to meet the needs of dual career couples and is a member of the New England Higher Education Recruitment Consortium to assist with dual career searches.

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.

Job link: <https://apptrkr.com/2646501>

Professional Opportunities

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.

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.

Northern Arizona University

Asst/Assoc/Clinical Professor - MCIT - Personalized Learning #605871

NAU Personalized Learning is conducting a nationwide search for a 12-month clinical, non-tenure track faculty position for

Professional Opportunities

our Master of Computer Information Technology program. This is a remote position with the opportunity for renewal.

Vacancy will be open until filled or closed. Review of applications will begin on January 10, 2022.

Please see [nau.jobs](#) for full job descriptions and details on how to apply online! NAU is an Equal Opportunity/Affirmative Action Institution. Women, minorities, veterans and individuals with disabilities are encouraged to apply.

Northwestern University

Researcher

Researcher Center for Deep Learning (CDL) seeks an exceptional researcher in the area of deep learning and data science. CDL is composed of faculty members and PhD candidates from a variety of departments working on deep learning, data science, and the internet of things. The research is primarily focused on designing new architectures and models, novel optimization algorithms, and implementations. Prior knowledge of Kubernetes, python and noSQL gives an advantage. We seek applicants with knowledge and expertise in these areas, and interest in IoT and data streaming who are eager to conduct independent research and also to lead projects involving PhD candidates.

Examples of current projects can be found at <http://deeplearning.northwestern.edu>.

Application material

Please send the following material to email cdl@northwestern.edu:

CV, a statement outlining your expertise, why you want to join, and your career ambitions.

A successful candidate should have a graduate degree (MS or PhD); exceptional candidates with BS and prior relevant experience would also be considered.

Responsibilities

- Conduct independent research
- Lead deep learning and data science projects with PhD students
- Interact with sponsoring companies regarding select projects

Northwestern University is ranked twenty-fourth among global universities by US News & World Report.

Queens College of CUNY

Tenure-Track Assistant Professor and Lecturer, Computer Science

The Department of Computer Science at Queens College of CUNY is accepting applications to start in Fall 2022.

Consult <http://www.cs.qc.cuny.edu> for further information.



Instructor of Information Sciences and Technology

Penn State DuBois welcomes applications and nominations for an Instructor of Information Sciences and Technology. This is a full-time, limited-term (single year), non-tenure-line, faculty position (36-week position), with option for renewal to teach in the Associate and Bachelor of Science in Information Sciences and Technology (IST) programs beginning January 2022 for the start of the Spring semester.

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

The successful applicant will teach introductory and upper-level courses in Information Technology (IT). These courses require a strong understanding of introductory, distributed, and advanced database management, introductory and advanced programming, web application development, system analysis and design, business system development, and cybersecurity. The successful candidate will serve the campus; will advise students and provide career guidance; collaborate in recruitment and retention of IST/IT students; participate in campus, university, and community service activities; engage in activities to stay current in the discipline. The expectation is that the successful applicant will use traditional, hybrid and online delivery methods as needed, and teaching assignments may require teaching day and evening as needed.

The successful candidate will be expected to support a diverse student body and campus community, including appreciating and respecting differences in race and ethnicity, gender and sexual orientation, religious affiliation, age and life experience, nationality and language, and physical capabilities. We actively look for faculty with a commitment to supporting diversity in their various roles.

Successful applicants should have at a minimum an earned M.S. in Information Technology or a closely related field, or be an active candidate for a terminal degree, in an academic field related to their teaching specialization. Ph.D. is a plus. Experience as a practicing professional in an information technology field a plus. Commitment to high-quality instruction in a student-centered environment is desired. Interest in active and collaborative learning, the instructional use of technology, and hybrid and online teaching is an advantage. Prior college-level and online teaching experience preferred. Enthusiasm for working in a multidisciplinary environment is important.

Penn State is a multi-campus public land-grant university that improves the lives of the people of Pennsylvania, the nation, and the world. Our instructional mission includes undergraduate, graduate, and continuing and distance education informed by scholarship and research. Our research, scholarship, and creative activities promote human and economic development through the expansion of knowledge and its applications in the natural and applied sciences, social sciences, arts, humanities, and the professions.

Penn State DuBois, one of more than 20 Penn State campuses state-wide, is situated in north central Pennsylvania about 70 miles west of State College/University Park and 100 miles northeast of Pittsburgh. It is a commuter campus comprised of approximately 500 students. The student-centered faculty and staff are dedicated to excellence in teaching and learning. Class sizes are small, and the student/faculty ratio is low so students can receive much individual attention. Since opening its doors in 1935, thousands of degree-seeking individuals have received a world-class education delivered in a friendly, small campus setting. The campus offers multiple Baccalaureate and Associate degrees, and the first 2 years of over 160 Penn State undergraduate degree programs.

Applicants for the position should submit a letter of application indicating interest for the position, curriculum vitae, contact information of three professional references, and a diversity statement that details how your teaching, service and/or professional development has supported the success of students from diverse and/or underrepresented backgrounds (applicants who have not yet had the opportunity for such experiences should note their plans for such work); other information pertinent to the position may also be included. Please address inquiries related to the position to: Dr. Mary Mino, Associate Chief Academic Officer, Penn State DuBois Campus. Email: mailto:obcpsu.edu. Telephone: 814-375-4707. Application review will begin immediately and continue until the position is filled. Apply online at <http://https://hr.psu.edu/careers>.

Apply online at <https://apptrkr.com/2761744>

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/clevy/>, 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.

Professional Opportunities

Reed College

Two-Year Visiting Position in Computer Science

The Department of Computer Science at Reed College invites applications for a two-year visiting faculty position, rank open, beginning in the fall of 2022. Applicants are expected to have a Ph.D. in computer science or a related field by the time of their appointment and should be committed to excellence in their teaching and in their scholarship. The successful candidate would teach core and elective courses in computer science and will advise several year-long senior thesis projects.

Reed is a distinguished liberal arts college with approximately 1400 students that offers a demanding academic program to bright and dedicated undergraduates. Applicants to the position are encouraged to contact Adam Groce (agroce@reed.edu), the chair of the search committee, for further details about the position and the college's computer science program.

Applicants should submit their applications electronically through the Interfolio service (apply at <http://apply.interfolio.com/100866>) and should include a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and three letters of recommendation. The cover letter should address how the applicant's teaching and scholarship would contribute to Reed's small, selective undergraduate environment. The diversity statement should address how the applicant can further the diversity and inclusivity of the computer science program.

Applications for the position will be considered on a rolling basis as they are received and will be accepted until the position is filled, but we encourage applicants to apply by February 28, 2022.

Reed College is an Equal Opportunity Employer and is committed to building an excellent diverse scholarly community. Members of underrepresented groups are especially encouraged to apply.

Reed College

Tenure-Track Faculty Position in Computer Science

The Department of Computer Science at Reed College invites applications for an open rank tenure-track faculty position beginning in the fall of 2022. Applicants should have a Ph.D. in computer science or a closely related field by the time of the appointment and should be committed to excellence in undergraduate teaching and in research. The successful applicant will teach in the core computer science curriculum at all levels, will develop one or more courses in the applicant's area(s) of expertise, and will work to foster a welcoming and engaged community. They will maintain an active research program, ideally providing opportunities for student involvement, and they will advise several year-long senior thesis projects. Applicants from all areas of computer science are encouraged to apply.

Reed is a distinguished liberal arts college that offers a demanding academic program to approximately 1400 bright and dedicated undergraduate students. Reed

believes that this requires a faculty that is actively engaged in cutting-edge research and provides the resources necessary to enable that research. The college believes that cultural diversity is essential to the excellence of our academic program (see <https://www.reed.edu/diversity/>).

Applicants to the position are encouraged to contact Adam Groce (agroce@reed.edu), the chair of the search committee, for further details about the position and the college's computer science program. Information about the position is also posted at <https://www.reed.edu/computer-science/faculty-search.html>.

Application Instructions

Applicants should submit their applications electronically through the Interfolio at <http://apply.interfolio.com/100862> and should include a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and three letters of recommendation. The cover letter should address how the applicant's teaching and scholarship would contribute to Reed's small, selective undergraduate environment. The diversity statement should address how the applicant can further the diversity and inclusivity of the computer science program.

Applications submitted by January 31, 2022 are guaranteed full consideration, although review of applications will continue until the position is filled.

An Equal Opportunity Employer, Reed values diversity and encourages applications from underrepresented groups.

Rochester Institute of Technology

Dean, Golisano College of Computing and Information Sciences

Rochester Institute of Technology (RIT), an institution defined by creativity and innovation, seeks a highly collaborative and ambitious leader to serve as Dean of the Golisano College of Computing and Information Sciences (GCCIS). The Dean will have an exceptional opportunity to lead a college that is central to RIT's distinctive educational and research mission and to continue the extraordinary expansion of an institution that is increasingly impactful on a global scale.

The Dean will be a strategic thinker and creative builder, connecting RIT's largest and fastest-growing college with major initiatives and research thrusts across the University. One of the largest and most comprehensive computing colleges in the nation, GCCIS is home to a diverse array of world-class and first-of-a-kind programs that educate students who go on to careers in some of the nation's largest technology firms, national security, health care innovation, games and interactive media, and a variety of other fields. Faculty conduct groundbreaking fundamental and applied research to advance knowledge across a wide range of areas including cybersecurity, machine learning, human-computer interaction, computing accessibility, data science, imaging, and Geographic Information Systems (GIS). The Dean will ensure that the College continues its outstanding research trajectory while maintaining strong support and mentorship for its

students, staff, and faculty and promoting the experiential learning traditions that have defined RIT.

RIT was founded in 1829 and, today is a nationally ranked doctoral university that prepares students for success in a globally integrated society. Over the past 10 years, RIT has seen advancement in every key institutional metric. Applications have increased 70 percent. Enrollment has grown 20 percent to nearly 19,000 students, with both student caliber and the diversity of the student population on the rise. Cooperative education, a pillar in the University's educational philosophy, has thrived, both domestically and internationally, helping to demonstrate the value of an RIT education with a 95-percent post-graduation employment rate. Faculty have grown in number, diversity, and scholarly stature as RIT has increased its research productivity while remaining deeply student focused. Transforming RIT: The Campaign for Greatness, a \$1 billion fundraising campaign that was publicly announced in July 2018, is focused on continuing to advance these hallmarks of the University. As of November 2021, the Campaign raised \$842 million of its total goal.

RIT seeks an outstanding scholar, a dynamic and entrepreneurial leader, and an exceptional communicator who has experience in creative and collaborative environments that value research and learning inside and outside of traditional modalities. They will mentor current and future GCCIS scholars, so that new external opportunities for scholarship may develop. The Dean will shepherd the College's continued development at this critical time

of rapid technological and societal change. The Dean will be a strong partner with other academic leaders, seeking out and encouraging opportunities to collaborate across the institution in meaningful and mutually beneficial ways. In alignment with RIT's mission, the Dean will work to enhance and support diversity, equity, and inclusion among its students, faculty, and staff.

Rochester Institute of Technology has engaged Isaacson, Miller, a national executive search firm, to assist in the search. All nominations and applications should be sent in electronically to:

Greg Esposito, Partner

Karen McPhedran, Managing Associate

Karreem Mebane, Senior Associate

<https://www.imsearch.com/search-detail/S8-096>

RIT provides equal opportunity to all qualified individuals and does not discriminate on the basis of race, color, creed, age, marital status, sex, gender, religion, sexual orientations, gender identity, gender expression, national origin, veteran status, or disability in its hiring, admissions, educational programs, and activities. For more information or inquiries, please visit RIT>TitleIX.

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 in intelligent systems beginning Fall 2022. The candidates should have

Professional Opportunities

a PhD degree in Computer Science or a closely related field.

Position details and instructions to apply can be found at <https://apply.interfolio.com/98407>.

Questions about the position may be directed to COS-CS-IS-Search2022@sdsu.edu.

SDSU is an equal opportunity>Title IX employer.

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 <https://apply.interfolio.com/94563>.

Questions about the position may be directed to COS-CS-SE-Search2022@sdsu.edu.

SDSU is an equal opportunity>Title IX employer.

San José State University

San José, California

Department of Computer Science

Rank: Assistant Professor (tenure-track)

Starting Date: August 2022

Qualifications: CS Ph. D. with expertise in Data Science, ML/AI, or Programming Languages.

Application Procedure: All materials are due by November 30 2021 for full consideration. Apply [here](#).

Seton Hall University

Assistant Professor in Computer Science

The Department of Mathematics and Computer Science at Seton Hall University invites applications for a full-time tenure-track position at the rank of assistant professor in Computer Science to start in August 2022. A PhD in Computer Science is required. The successful applicant will have a strong interest in teaching, in research, and in providing undergraduate research experiences. While all areas of Computer Science will be considered, priority will be given to applicants with research and teaching focus on areas of software engineering and development, including specializations such as agile software development, DevOps, cloud development, and data engineering. Teaching responsibilities will include Computer Science courses at all undergraduate levels, including service courses. Applicants are expected to teach the upper-level offerings that integrate systematic program development. The candidate's Ph.D. must be completed by the start of employment. A distinguished teaching and publication record are highly desirable. Finally, applicants must understand and be willing to support the Seton Hall University Catholic mission. Since Seton Hall University is committed to providing a diverse and inclusive environment, the application must include a statement explaining what diversity means for the applicant with respect to the academic field and the community.

To apply, upload to the Seton Hall University job application site: <https://jobs.shu.edu/cw/en-us/job/494919/contract-faculty-department-of-mathematics-and-computer-science>

Questions about the Computer Science program may be addressed to cs@shu.edu.

Seton Hall University is an Equal Opportunity/Affirmative Action employer. It honors diversity and respects the religious commitments of all its employees. In turn, its employees respect Catholic beliefs and values, and they support its mission as a Catholic institution of higher education.

Southern Illinois University Carbondale

Assistant Professor (Computer Science)

Southern Illinois University Carbondale invites those with potential for excellence in research and teaching to submit an application for consideration as an Assistant Professor in the School of Computing. This is a 9-month, continuing, tenure-track appointment starting August 16, 2022. We are particularly looking for those who specialize in Machine Learning, Artificial Intelligence, or related fields.

Please use the following link to apply <https://jobs.siu.edu/job-details?jobid=12767>

Spelman College

Assistant Professor (two positions)

<https://spelman.peopleadmin.com/>

Position 1: Spelman College invites applications for a tenure-track position at

Professional Opportunities

the rank of Assistant Professor in all areas of Computer Science to begin in August 2022. Special consideration will be given to candidates in software engineering, machine learning, and artificial intelligence. The successful candidate will demonstrate not only potential for excellent undergraduate teaching, but also promise in sustained research with opportunities to involve undergraduates, mentoring, and service to the department and College. The ideal candidate should have a Ph.D. in Computer Science or related field and be able to teach courses within the core curriculum of computer science, including: data structures, software engineering, programming languages, and introductory programming courses.

Required Qualifications: Ph.D. Computer Science or related field.

Preferred Qualifications: Experience as Instructor of Record preferred

Position 2: Spelman College invites applications for a tenure-track position at the rank of Assistant Professor in Systems (broadly defined to include operating systems, cloud computing, computer networks, mobile systems, IoT, computer architectures, parallel and distributed computing, etc.) to begin in August 2022. The successful candidate will demonstrate not only potential for excellent undergraduate teaching, but also promise in sustained research with opportunities to involve undergraduates, mentoring, and service to the department and College. The ideal candidate should have a Ph.D. in Computer Science or related field and be able to teach courses within the core

curriculum of computer science, including: operating systems, computer organization, computer networks, and introductory programming courses.

Required Qualifications: Ph.D. Computer Science or related field.

Preferred Qualifications: Experience as Instructor of Record preferred

Spelman College seeks teacher/scholars dedicated to excellence in teaching and to the continued enhancement of the academic environment for students and colleagues.

Founded in 1881, Spelman College is a private four-year liberal arts college located in Atlanta, GA. The oldest historically Black college for women in the United States, Spelman is a member of the Atlanta University Center Consortium and Atlanta Regional Consortium for Higher Education. All tenure-track candidates are expected to have a demonstrated interest in liberal arts and sciences education, contribute effectively to undergraduate teaching, assist in curriculum development, provide service to the department and College, as well as be active in scholarly, creative, and/or research productivity appropriate to a liberal arts environment.

of Chair, Department of Computer Science (CS). Serving a renewable five-year term and reporting to the SES Dean, the Chair will be appointed as a full-time tenured faculty member in CS and will be encouraged to remain active in research, with strategic leadership of the Department as their top priority. The Chair will be a member of the Dean's leadership team. Exceptionally qualified individuals may hold an endowed professorship during their term(s) as Chair.

Department of Computer Science -

The Department of Computer Science is home to 26 full-time faculty members, including 16 hired in the last five years, and approximately 1,000 undergraduate and graduate students. It is the main occupant of the Institute's new \$45M state-of-the-art academic building. Please visit the department's website for more information. The Department of Computer Science is a member of the Schaefer School of Engineering and Science - the largest school of the four schools/college at Stevens Institute of Technology, comprising over 70% of the total student population. SES is ranked among the Top 25 STEM Colleges by Forbes.

Stevens Institute of Technology -

The Innovation University - is a premier private research university with a 55-acre hilltop campus situated in an ideal location directly across the Hudson River from New York City. Since its founding in 1870, technological innovation has always been the hallmark and legacy of Stevens' education and research. Within the university's three schools and one college, approximately 7,200 undergraduate and

Stevens Institute of Technology

Chair, Department of Computer Science

The Charles V. Schaefer, Jr. School of Engineering & Science (SES) at Stevens Institute of Technology (Stevens) invites nominations/applications for the position

Professional Opportunities

graduate students collaborate closely with faculty in an interdisciplinary, entrepreneurial environment.

Qualifications - The Chair will hold a Ph.D. in Computer Science or a related discipline and have a record of success and leadership in research and education. Qualifications should be commensurate with appointment as a Full professor. Faculty experience and familiarity with academic administration are also required. A commitment to cultivating a climate in the department where students, faculty, and staff from diverse backgrounds can thrive is essential.

To Apply - The School of Engineering & Science has engaged Opus Partners (www.opuspartners.net) to support the recruitment of this position. Craig Smith, Partner, and Jeff Stafford, Senior Associate, are managing the search. Applicants are invited submit a letter of interest outlining their experience in and vision for research, education, and academic leadership; their CV; and a statement describing their contributions to diversity, equity, and inclusion to Jeff Stafford via Jeffrey.stafford@opuspartners.net. Nominations, recommendations, expressions of interest, and inquiries should be sent to the same address. All possible discretion will be exercised to maintain the privacy of applicants through the search process. Review of applications will begin immediately and will continue until the position has been filled. Verification of educational credentials and a background check will be conducted at the time of hire.

Stevens values diversity and seeks candidates who will contribute to a welcoming and inclusive environment

for students, faculty and staff of all backgrounds. We are an NSF ADVANCE institution committed to equitable practices and policies, and strongly encourage applications from women, racial and ethnic minorities, veterans, and individuals with disabilities.

Stevens Institute of Technology is an Equal Opportunity Employer. Accordingly, Stevens adheres to an employment policy that prohibits discriminatory practices or harassment against candidates or employees based on legally impermissible factor(s) including, but not necessarily limited to, race, color, religion, creed, sex, national origin, nationality, citizenship status, age, ancestry, marital or domestic partnership or civil union status, familial status, affectional or sexual orientation, gender identity or expression, atypical cellular or blood trait, genetic information, pregnancy or pregnancy-related medical conditions, disability, or any protected military or veteran status. Stevens is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates, as well as veterans and individuals with disabilities. Stevens is a federal contractor under the Vietnam Era Veterans' Readjustment Assistance Act (VEVRAA) and the Rehabilitation Act of 1973, as well as other federal statutes.

Stevens Institute of Technology

Fall 2022 - Teaching-track Faculty Positions in Systems & Enterprises

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology

invites applications for teaching-track faculty positions, starting Fall 2022 or on a mutually agreed upon date. Successful teaching faculty will contribute to a dynamic and growing educational program in the areas of engineering management, systems engineering, software engineering, complex systems, and underlying enabling technologies, such as machine learning and data engineering. The individual is expected to deliver a first-class teaching experience that offers undergraduate and graduate students an exceptional, practice-based, and research-supported education that translates immediately into expertise that students can take to the workplace.

Job Duties

Faculty duties include teaching at the undergraduate and graduate levels, advising and mentoring graduate students, conducting externally-funded research, as well as contributing to service to Stevens and to the professional community.

Basic Qualifications

- Applicants must possess a doctoral degree in a related engineering or science discipline prior to commencement of employment.
- At least five years of relevant teaching or related instructional experience in a university or comparable setting.
- At least five years of relevant industry-based professional expertise that translates into educating students for the workplace.
- Experience with advising and/or mentoring desirable.
- Excellent oral and written communication skills.

Professional Opportunities

SSE Submission Guidelines

To apply, please submit your package as a single PDF file that contains your curriculum vita, research statement, teaching statement, and contact information for 3 references online at [Stevens/SSE Career Opportunities](#). If you have any questions, please direct your inquiries to Prof. Onur Asan at oasan@stevens.edu.

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

About the School

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology is a leading institution in systems innovation and research located in Hoboken, New Jersey, a vibrant city with a population of 54,000 on the Hudson River directly across from New York City. Ranked amongst the top graduate programs in Industrial, Systems, and Software Engineering by the US News and World Report, faculty in SSE embrace diverse careers with both academic and industry experience. Stevens Institute of Technology is an Equal Opportunity Employer. SSE is home to the Systems Engineering Research Center (SERC), a University-Affiliated Research Center of the US Department of Defense that leverages the research and expertise of senior lead researchers from 22 collaborator universities throughout the United States. The School of Systems and Enterprises at Stevens values diversity and seeks candidates who can contribute to a welcoming climate for students of all

races and genders. Stevens is committed to equitable practices and policies. We strongly encourage qualified women and minority candidates to apply.

Stevens Institute of Technology

Lecturer Position, School of Systems and Enterprises

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology invites applications for a 9-month lecturer position, starting Spring 2022. Successful candidates will contribute to a dynamic and growing educational program in the areas of software engineering and complex systems, and underlying enabling technologies, such as machine learning, data engineering, and embedded systems. The candidate should be able to deliver a first-class teaching experience that offers undergraduate and graduate students an exceptional, practice-based, and research-supported education that translates immediately into expertise that students can take to the workplace.

Job Duties

Duties include teaching at the undergraduate and graduate levels, advising undergraduate students, as well as contributing to service to Stevens and to the professional community.

Basic Qualifications

Applicants must possess a doctoral degree in a related engineering or science discipline prior to commencement of employment. To apply, please submit your package as a single

PDF file that contains your curriculum vita, teaching statement, and contact information for 3 references online at [Stevens/SSE Career Opportunities](#). If you have any questions, please direct your inquiries to Prof. Carlo Lipizzi at clipizzi@stevens.edu.

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

About the School

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology is a leading institution in systems innovation and research located in Hoboken, New Jersey, a vibrant city with a population of 54,000 on the Hudson River directly across from New York City. Ranked amongst the top graduate programs in Industrial, Systems, and Software Engineering by the US News and World Report, faculty in SSE embrace diverse careers with both academic and industry experience. Stevens Institute of Technology is an Equal Opportunity Employer. SSE is home to the Systems Engineering Research Center (SERC), a University-Affiliated Research Center of the US Department of Defense that leverages the research and expertise of senior lead researchers from 22 collaborator universities throughout the United States. The School of Systems and Enterprises at Stevens values diversity and seeks candidates who can contribute to a welcoming climate for students of all races and genders. Stevens is committed to equitable practices and policies. We strongly encourage qualified women and minority candidates to apply.

Professional Opportunities

Stevens Institute of Technology

Spring 2022 - Teaching Track Faculty Position in Systems and Enterprises

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology invites applications for a teaching-track faculty position, starting Spring 2022 or on a mutually agreed upon date. Successful candidates will contribute to a dynamic and growing educational program in the areas of software engineering, space engineering, complex systems, and underlying enabling technologies, such as machine learning, data engineering, and embedded systems. The individual is expected to deliver a first-class teaching experience that offers undergraduate and graduate students an exceptional, practice-based, and research-supported education that translates immediately into expertise that students can take to the workplace.

Job Duties

Faculty duties include teaching at the undergraduate and graduate levels, advising and mentoring graduate students, conducting externally-funded research, as well as contributing to service to Stevens and to the professional community.

Basic Qualifications

- Applicants must possess a doctoral degree in a related engineering or science discipline prior to commencement of employment.
- At least five years of relevant teaching or related instructional experience in a university or comparable setting.

- At least five years of relevant industry based professional expertise that translates into educating students for the workplace.
- Experience with advising and/or mentoring desirable.
- Excellent oral and written communication skills.

SSE Submission Guidelines

To apply, please submit your package as a single PDF file that contains your curriculum vita, research statement, teaching statement, and contact information for 3 references online at [Stevens/SSE Career Opportunities](#). If you have any questions, please direct your inquiries to Prof. Carlo Lipizzi at clipizzi@stevens.edu. Review of applications will commence immediately and continue until the position is filled.

About the School

The School of Systems and Enterprises (SSE) at Stevens Institute of Technology is a leading institution in systems innovation and research located in Hoboken, New Jersey, a vibrant city with a population of 54,000 on the Hudson River directly across from New York City. Ranked amongst the top graduate programs in Industrial, Systems, and Software Engineering by the US News and World Report, faculty in SSE embrace diverse careers with both academic and industry experience. Stevens Institute of Technology is an Equal Opportunity Employer. SSE is home to the Systems Engineering Research Center (SERC), a University-Affiliated Research Center

of the US Department of Defense that leverages the research and expertise of senior lead researchers from 22 collaborator universities throughout the United States. The School of Systems and Enterprises at Stevens values diversity and seeks candidates who can contribute to a welcoming climate for students of all races and genders. Stevens is committed to equitable practices and policies. We strongly encourage qualified women and minority candidates to apply.

Stevens Institute of Technology

Teaching Faculty Positions in Computer Science

The Department of Computer Science in the Charles V. Schaefer, Jr. School of Engineering and Science (SES) at Stevens Institute of Technology (Stevens) invites applications for non-tenure-track, teaching faculty positions to begin in August of 2022. The department especially encourages candidates with strong backgrounds in theoretical computer science, systems and security but will consider applications in all areas of computer science.

Applicants must have earned a Ph.D. in Computer Science or a related discipline. The rank of the appointment will depend on experience and qualifications. Successful candidates are expected to have a strong commitment to excellence in teaching at both the graduate and undergraduate level. They are also expected to advise students, supervise them in research, and contribute to the

Professional Opportunities

highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens.

The Department of Computer Science is home to 30 full-time faculty members, including 18 hired in the last five years, approximately 1700 undergraduate and graduate students and is the prime occupant of the Institute's new \$45 million state-of-the-art academic building. Faculty research is supported by the NSF including several CAREER awards, NIH, NSA, ONR, DARPA, and other federal and private funding sources and is carried out by a vibrant group of Ph.D. students, which has grown by 50% in the last few years. The department is home to research labs in AI, machine learning, computer vision, big data analytics, programming languages, cryptography, computer security and software systems, and is a main constituent of the Stevens Institute for Artificial Intelligence (SIAI). SIAI is a new, interdisciplinary research center that brings together over 50 faculty members from most schools and departments at Stevens.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens' superb location offers excellent opportunities for collaboration with nearby universities and major corporate research laboratories.

Stevens values diversity and seeks candidates who will contribute to a welcoming and inclusive environment

for students, faculty, and staff of all backgrounds. We are an NSF ADVANCE institution committed to equitable practices and policies, and strongly encourage applications from women, racial and ethnic minority candidates, veterans, and individuals with disabilities.

Stevens Institute of Technology is an Equal Opportunity Employer. Accordingly, Stevens adheres to an employment policy that prohibits discriminatory practices or harassment against candidates or employees based on legally impermissible factor(s) including, but not necessarily limited to, race, color, religion, creed, sex, national origin, nationality, citizenship status, age, ancestry, marital or domestic partnership or civil union status, familial status, affectional or sexual orientation, gender identity or expression, atypical cellular or blood trait, genetic information, pregnancy or pregnancy-related medical conditions, disability, or any protected military or veteran status. Stevens is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates, as well as veterans and individuals with disabilities. Stevens is a federal contractor under the Vietnam Era Veterans' Readjustment Assistance Act (VEVRAA) and the Rehabilitation Act of 1973, as well as other federal statutes.

Please submit a curriculum vitae, a research statement, a teaching statement that includes teaching interests and philosophy on inclusive classroom practices, a diversity statement, and at least three reference letters. The diversity statement could include participation or experience with

programs, professional development, and/or engagement with students of diverse backgrounds, as well as plans for advancing these areas at Stevens.

Applications will be accepted until the positions are filled. Applications received by March 15, 2022 will receive full consideration.

All applications must be submitted electronically at <https://academicjobsonline.org/ajo/stevens>. For any questions, please contact the Search Committee Chair, Professor Sandeep Bhatt, at sandeep.bhatt@stevens.edu.

Stevens Institute of Technology

Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science in the Charles V. Schaefer, Jr. School of Engineering and Science (SES) at Stevens Institute of Technology (Stevens) invites applications for tenure-track and tenured positions in all areas of computer science at the assistant, associate, and full professor ranks. We encourage applicants with expertise in our existing core areas of research including computer vision, cyber security, and AI/ML, in addition to candidates who can expand our research program significantly in HCI and algorithmic bias/fairness. Stevens offers an intellectually vibrant, diverse, highly interdisciplinary, collaborative, innovative, and entrepreneurial community and is a great place to work.

Applicants should have earned a Ph.D. in computer science or a related discipline.

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Candidates are expected to demonstrate a commitment to teaching and mentorship at both the undergraduate and graduate levels, including working with students from underrepresented groups. Successful candidates will have the potential to develop an externally funded research program, supervise graduate students in research, and contribute to the highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens. Candidates applying at the rank of Associate or Full should have a track record

of success in scholarship, funded research, teaching, mentoring, and contributing to diversity, equity, and inclusion.

The Department of Computer Science is home to 30 full-time faculty members, including 18 hired in the last five years, approximately 1,700 undergraduate and graduate students. As the fastest growing department at Stevens, we are the primary occupant of a new \$45 million state-of-the-art academic building. Faculty research is supported by the NSF

including 5 CAREER awards, NIH, NSA, ONR, DARPA including one DARPA Young Faculty Award, and other federal and private funding sources and is carried out by a vibrant group of Ph.D. students, which has grown by 50% in the last few years. The Department is home to research labs on AI, machine learning, computer vision, big data analytics, programming languages, cryptography, computer security, and software systems, and is the main constituent of the Stevens Institute for Artificial Intelligence (SIAI). SIAI is a new,



Lecturer, Assistant/Associate/Full Professor of Practice

Stony Brook University's Department of Computer Science invites applicants for a teaching faculty position with an expected start date of Fall 2022. The candidate will hold the position of lecturer or assistant/associate/full professor of practice depending on qualification. The selected candidate should hold an MS or Ph.D. in Computer Science or a closely related discipline and should have a strong commitment to teaching. The candidate is expected to teach introductory and advanced undergraduate courses in Computer Science, and possibly graduate courses, depending on experience and interests. Advising graduate students and engaging in research activities are encouraged but not mandatory.

The department values diversity and seeks candidates who can contribute to a welcoming climate for all students. We strongly encourage qualified women and minority candidates to apply.

Stony Brook University is located 60 miles from New York City on Long Island's scenic North Shore. Home to many highly ranked programs, it is a member of the prestigious Association of American Universities (AAU). The Department of Computer Science is one of the largest departments in campus and offers BS, MS and PhD degrees in Computer Science and BS degree in Information Systems. The BS program in Computer Science is ABET accredited. The department currently has 56 full-time faculty members with 12 teaching faculty and is undergoing a period of rapid growth. The department is housed in a new state-of-the-art 70,000 sq ft building. The department is either home to or has significant collaborations with several interdisciplinary centers on campus, including the Institute for AI-Driven Discovery and Innovation, National Security Institute (NSI), Center for Visual Computing (CVC), Center of Excellence in Wireless and Information Technology (CEWIT) and Institute of Advanced Computational Science (IACS). Detailed information on the department can be found on the Department website: <http://www.cs.stonybrook.edu>.

Applicants need to electronically submit a curriculum vitae, statements of teaching and research, and three letters of recommendation or evaluation. Please apply here with the requested documents: <https://apptrkr.com/2708383>

Please feel free to contact recruit@cs.stonybrook.edu for any questions.

Stony Brook University is committed to excellence in diversity and the creation of an inclusive learning, and working environment. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, familial status, sexual orientation, gender identity or expression, age, disability, genetic information, veteran status and all other protected classes under federal or state laws.



Empire Innovation Professor Quantum Information Science and Engineering Stony Brook University

The Computer Science (CS) Department and the Electrical and Computer Engineering (ECE) Department at Stony Brook University invite applications for a tenure-track/tenured faculty position in Quantum Information Science and Engineering with an expected start date of Fall 2022. Although the position is expected to be filled at the Associate Professor rank, exceptionally qualified candidates at any rank in all areas of Quantum Information Science and Engineering, including quantum algorithms, communication, complexity, and devices, are invited to apply. Applications will be processed on an ongoing basis until the position is filled. The position comes with the title of SUNY Empire Innovation Professor. The position will be solely or jointly in the CS or ECE departments based on the area of the candidate. Applicants should hold a PhD in Computer Science, Electrical Engineering, Computer Engineering, or a closely related discipline and must demonstrate outstanding research accomplishments and potential.

The Department of Electrical and Computer Engineering currently has 30 full-time faculty members. It is expected that the department will recruit more faculty members in the next few years. Detailed information on the Department can be found on the Department website: <https://www.stonybrook.edu/commcms/electrical/>. The department offers undergraduate, MS, and PhD programs in Electrical Engineering and Computer Engineering. The department also offers an ABET-accredited BS online program in Electrical Engineering.

Quantum Computing at Stony Brook: Faculty in the CS and ECE departments working on Quantum Information Science and Engineering research have close ongoing collaboration with the Department of Physics and Astronomy, and its affiliated C. N. Yang Institute of Theoretical Physics. The Institute has significant strength in experimental and theoretical aspects of Quantum Computing, including Quantum Information Systems, Quantum Communication, Quantum Materials, and Quantum Simulations. The University is co-manager of nearby Brookhaven National Laboratory (BNL), a Department of Energy laboratory. The university is a partner in the Northeast Quantum Systems Center (<https://www.bnl.gov/NEQsys/>), and the Co-Design Center for Quantum Advantage (C2QA, <https://www.bnl.gov/quantumcenter/>), a National Quantum Information Science (QIS) Research Center, based at BNL.

The CS and ECE departments play significant roles in multiple interdisciplinary centers on campus. They include the Institute for AI-Driven Discovery and Innovation (<https://ai.stonybrook.edu/>), Center of Excellence in Wireless and Information Technology (CEWIT, <https://www.cewit.org/>) and Institute of Advanced Computational Science (IACS, <https://www.stonybrook.edu/commcms/iacs/index.php>).

Application Instructions

Applicants need to electronically submit a curriculum vitae, statements of teaching and research, and three letters of recommendation or evaluation.

Please apply here with the requested documents: <https://apptrkr.com/2762100>

Any inquiries can be emailed to: recruit@cs.stonybrook.edu

Professional Opportunities



Stony Brook University



Empire Innovation Professor Cybersecurity and Computer Systems Department of Computer Science

Stony Brook University's Department of Computer Science invites applications for a tenure-track/tenured faculty position with an expected starting date of Fall 2022. We seek candidates that will complement and enhance our current strengths in cybersecurity and computer systems, broadly defined. We are also open to interdisciplinary candidates that specialize in cybersecurity/computer systems and another area such as AI/machine learning. Although the position is expected to be filled at the Associate Professor, exceptional candidates at other ranks will be considered. The position includes the title of SUNY Empire Innovation Professor.

Applicants should hold a Ph.D. in Computer Science or a closely related discipline, have outstanding scholarly records and stellar potential in their field of study, and demonstrate a sincere commitment to teaching and mentoring. The department values diversity and seeks candidates who can contribute to a welcoming climate for all students. We strongly encourage applications from women and underrepresented groups.

The Department of Computer Science currently has 56 full-time faculty members and is undergoing a period of rapid growth. The department is housed in a new state-of-the-art 70,000 sq ft building and also occupies parts of other buildings. The department is either home to or has significant partnerships with several interdisciplinary centers on campus with our faculty playing leadership roles. They include the Institute for AI-Driven Discovery and Innovation, National Security Institute (NSI), Center for Visual Computing (CVC), Center of Excellence in Wireless and Information Technology (CEWIT) and Institute of Advanced Computational Science (IACS). More information about the department is available from its web site www.cs.stonybrook.edu.

Stony Brook University, one of four research-intensive campuses within the State University of New York (SUNY) system, is widely regarded as its flagship. It is among the top 40 public universities by U.S. News & World Report's 2020 Best Colleges rankings and is a member of the prestigious Association of American Universities, composed of the top 62 research institutions in North America. Located approximately 60 miles east of Manhattan on Long Island's beautiful North Shore, Stony Brook encompasses 13 schools and colleges; a Research and Development Park; world-class athletics facilities; and Stony Brook Medicine, Long Island's premier academic medical center. Stony Brook has strong research collaborations with Brookhaven National Laboratory (BNL), the only Department of Energy Laboratory in the Northeast.

Application Instructions

Applicants need to electronically submit a curriculum vitae, statements of teaching and research, and three letters of recommendation or evaluation.

Please apply here with the requested documents: <https://apptrkr.com/2774238>.

Questions should be directed to recruit@cs.stonybrook.edu.

interdisciplinary research center that brings together over 50 faculty members across the University.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens' exciting location offers unlimited opportunities for collaboration with nearby universities and major corporate research laboratories.

Stevens values diversity and seeks candidates who can contribute to a welcoming and inclusive environment for students, faculty, and staff of all backgrounds. We are an NSF ADVANCE institution committed to equitable practices and policies and strongly encourage applications from women, racial and ethnic minority candidates, veterans, and individuals with disabilities.

Stevens Institute of Technology is an Equal Opportunity Employer. Accordingly,

Stevens adheres to an employment policy that prohibits discriminatory practices or harassment against candidates or employees based on legally impermissible factors including, but not necessarily limited to, race, color, religion, creed, sex, national origin, nationality, citizenship status, age, ancestry, marital or domestic partnership or civil union status, familial status, affectional or sexual orientation, gender identity or expression, atypical cellular or blood trait, genetic information, pregnancy or pregnancy-related medical conditions, disability, or any protected military or veteran status. Stevens is building a diverse faculty, staff, and student body and strongly encourages applications from female and minority candidates, as well as veterans and individuals with disabilities. Stevens is a federal contractor under the Vietnam Era Veterans' Readjustment Assistance Act (VEVRAA) and the Rehabilitation Act of 1973, as well as other federal statutes.

Applications will be accepted until the positions are filled. Review of applications will begin on December 1, 2021.

All applications must be submitted electronically at <https://academicjobsonline.org/ajo/stevens>.

Please submit a cover letter, curriculum vitae, a research statement, a teaching statement that includes teaching interests and philosophy on inclusive classroom practices, a diversity statement, and at least three reference letters. The diversity statement could include participation or experience with programs, professional development,

Professional Opportunities

engagement with students of diverse backgrounds as well as plans for advancing these areas at Stevens. For any questions, please contact the Search Committee Chairs, Samantha Kleinberg (samantha.kleinberg@stevens.edu) and Yue Ning (yue.ning@stevens.edu).

Tulsa Community College

Assistant Professor - Business Computer Applications

The School of Business & Information Technology at Tulsa Community College is seeking an Assistant Professor for Business Computer Applications to begin Fall 2022.

The Assistant Professor has the primary responsibility of instruction in the classroom for students enrolled in Business Computer Applications courses, as well as ensuring the success and retention of students while maintaining high academic standards.

Minimum Qualifications

Master's Degree in appropriate field of study with extensive experience utilizing business computer applications at the intermediate and advanced level. Working knowledge of computer hardware and software fundamentals.

Philosophy compatible with that of a comprehensive urban community college. Teaching experience at the community college or university level. Ability to teach at multiple campuses, as well as teach day and evening classes.

Preferred Qualifications

Teaching experience and/or teaching experience at the community college or university level.

To apply, please visit <https://www.schooljobs.com/careers/tulsacc/jobs/3351420/assistant-professor-business-computer-applications>

For full consideration, please apply by March 4th, 2022.

Tulsa Community College

Assistant Professor - Information Technology

The School of Business & Information Technology at Tulsa Community College is seeking an Assistant Professor for Information Technology to begin Fall 2022.

The Assistant Professor has the primary responsibility of instruction in the classroom for students enrolled in Information Technology courses, as well as ensuring the success and retention of students while maintaining high academic standards.

Minimum Qualifications

Bachelor's degree in Computer Science, Information Technology or IT related field plus 18 graduate hours in IT.

Philosophy compatible with that of a comprehensive urban community college. Teaching experience at the community college or university level. Ability to teach at multiple campuses, as well as teach day and evening classes.

Preferred Qualifications

Master's degree in Computer Science, Information Technology or IT related field and 3 - 5 years industry experience. Database design, data mining, and/or data analytics skills preferred.

Click her to apply: <https://www.schooljobs.com/careers/tulsacc/jobs/3351408/assistant-professor-information-technology>

For full consideration, please apply by March 4th, 2022.

The University of Alabama

Cyber Security Faculty Position

The Computer Science Department at The University of Alabama invites applicants to join our faculty at the Assistant Professor rank, beginning August 2022. We are interested in applicants with expertise in areas related to Cyber Security who can collaborate with and complement our faculty research. Outstanding candidates from all areas of Cyber Security will be considered. At the time of appointment, candidates must have earned a Ph.D. in Computer Science or a closely related field. Successful applicants are expected to show the ability to construct a quality research program, to effectively collaborate with other faculty, and to excel at teaching at both the graduate and undergraduate levels. Applicants should apply online at <https://facultyjobs.ua.edu/postings/49492>

For additional information, please contact: Dr. Travis Atkison, Department

Professional Opportunities

of Computer Science, The University of Alabama, Box 870290, Tuscaloosa, Alabama 35487-0290, Phone: (205) 348-4740, E-mail: atkison@cs.ua.edu

University of Arizona

Assistant or Associate Professor of Computer Science

The Department of Computer Science at the University of Arizona invites applications for a tenure-track faculty position in all areas of computer science at the rank of Assistant or Associate Professor.

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, bioinformatics, compilers, computational geometry, databases, high-performance computing, machine learning, natural language processing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at <https://talent.arizona.edu>.

To apply, complete an online application at <https://bit.ly/3oYhUog>

Be sure to upload: (1) a cover letter; (2) your curriculum vitae; (3) a research statement; (4) a teaching statement; (5) a diversity and inclusion statement that discusses past and anticipated contributions to diversity, equity, and inclusion in the areas of research, teaching, and/or outreach; and (6) contact information for at least three references.

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

Review of applications will begin January 3, 2022 and continue until the position is filled. Please email search@cs.arizona.edu if you have questions or need assistance.

University of Arizona

Lecturers, Senior Lecturers, and/or Principal Lecturers in Computer Science

The Department of Computer Science at the University of Arizona is accepting applications from dedicated educators for non-tenure-eligible, Lecturer-Track (also known as Career-Track) faculty positions at all ranks. Teaching faculty are vital to the department's mission and are appointed with the expectation of long-term employment. The typical teaching load is two courses in each of the Fall and Spring semesters, but factors such as class size may reduce that load. Lecturers at all ranks teach both core and elective undergraduate courses, based on their interests and department needs, and actively participate in departmental faculty meetings, decision-making, planning, and service.

Career-Track faculty positions offer a well-defined promotion path. Applicants must have earned, or expect to complete, either an M.S. or a Ph.D. in Computer Science or a closely-related discipline by the time of appointment. Applicants will be considered for appointment at the Lecturer, Senior Lecturer, or Principal Lecturer ranks based on experience and evidence of teaching quality and effectiveness.

As of Fall 2021, the Department of Computer Science has 31 faculty members, including nine Career-Track faculty (four Lecturers, four Senior Lecturers and one

Principal Lecturer). The Department has a long history of excellent undergraduate and graduate instruction and research accomplishment with a diverse and enthusiastic student body.

The University of Arizona's main campus is in Tucson, the heart of a metropolitan area of over a million people surrounded by five mountain ranges. Tucson boasts a warm desert climate, 350 sunny days per year, and a wide variety of outdoor activities. More information about the University and its community is available at whyUA.arizona.edu.

To apply, complete an online application at the UA Human Resources website. The link for these positions is <https://bit.ly/3pQJft2>. Be sure to include, as directed, (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names and contact information of at least three professional references.

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

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

University of Arizona

Assistant, Associate, Or Full Professor, Systems And Industrial Engineering (SFWE)

Posting Number: req7321
 Department: Systems and Industrial Engr
 Department Website Link:
<https://sie.engineering.arizona.edu/>
 Medical Sub-Speciality

Professional Opportunities

Location: Main Campus
Address: Tucson, AZ USA

Position Highlights

The Department of Systems and Industrial Engineering (SIE) at the University of Arizona invites applications and nominations for a tenure-track position in Software Engineering at all levels (Assistant, Associate, and Full) with an anticipated start date of August 2022. Specific areas of interest include (1) Software Requirements Analysis and Testing, (2) Software Assurance, Quality, and Reliability, (3) Formal Methods in Software Engineering, (4) Software Project Management, and (5) Artificial Intelligence in Software Engineering. Candidates for senior ranks must have a distinguished record of published research, demonstrate significant impact on the profession, and success at securing funding to support a research program.

Outstanding UA benefits include health, dental, and vision insurance plans; life insurance and disability programs; sick leave and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; state and optional retirement plans; access to UA recreation and cultural activities; and more! The University of Arizona has been recognized for our innovative work-life programs. For more information about working at the University of Arizona and relocations services, please click [here](#).

Duties & Responsibilities

The successful candidate will be expected to establish a strong research

program, help define and grow the newly established Software Engineering undergraduate degree program, teach undergraduate and graduate courses, and contribute to mentoring students, including those from traditionally underrepresented backgrounds. The successful candidate will also be expected to contribute to an environment that nurtures collaboration among researchers across the College and University. The successful candidate will also participate in outreach and contribute to departmental, college, and university service. In these, and other ways, the faculty member will help to develop innovative approaches to enhancing student engagement, increasing diversity, ensuring equity, and expanding collaborations with community and business partners.

Knowledge, Skills and Abilities

Candidates are expected to have excellent oral and written communication skills

Minimum Qualifications

Candidates must have a Ph.D. or equivalent in hand by the time of hire in Systems Engineering, Industrial Engineering, Operations Research, Engineering Management, or a related field.

Candidates for the Associate or Full Professor rank must have a distinguished record of published research, demonstrate significant impact on the profession and success at securing funding to support a research program.

Selected candidate must provide education credentials during the offer discussions

Preferred Qualifications

It is desired that candidates have some teaching experience.

- Rank: To be Determined
- Tenure Information: Tenure Track (T/TE)
- FLSA: Exempt
- Full Time/Part Time: Full Time
- Number of Hours Worked per Week: 40
- Job FTE: 1.0
- Work Calendar: Academic
- Job Category: Faculty
- Benefits Eligible: Yes - Full Benefits
- Rate of Pay: DOE
- Compensation Type: salary at 1.0 full-time equivalency (FTE)
- Type of criminal background check required: Name-based criminal background check (non-security sensitive)
- Number of Vacancies: 1
- Target Hire Date: 8/22/2022
- Expected End Date
- Contact Information for Candidates: Questions should be directed to Professor Alejandro Salado, Chair of the Search Committee (alejandrosalado@arizona.edu) and Professor Sharon O'Neal, Director of Software Engineering (sharononeal@arizona.edu) at the University of Arizona.
- Open Date: 10/19/2021
- Open Until Filled: Yes
- Documents Needed to Apply: Curriculum Vitae (CV), Cover Letter, and Three Additional Documents
- Special Instructions to Applicant

Professional Opportunities

Please submit the following documents:

- » Cover Letter
- » CV
- » Statement of Research Interests
- » Statement of Teaching Philosophy
- » Three Reference's Contact Information (phone and email)

Diversity Statement

At the University of Arizona, 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. As an Hispanic-serving institution and a Native American/Alaska Native-serving institution, we translate these values into action by seeking individuals who have experience and expertise working with diverse students, colleagues, and constituencies. Because we seek a workforce with a wide range of perspectives and experiences, we provide equal employment opportunities

to applicants and employees without regard to race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, or genetic information. As an Employer of National Service, we also welcome alumni of AmeriCorps, Peace Corps, and other national service programs and others who will help us advance our Inclusive Excellence initiative aimed at creating a university that values student, staff and faculty engagement in addressing issues of diversity and inclusiveness.

UC San Diego



Assistant Professor - Data Systems and Infrastructure (HDSI)

The University of California, San Diego invites applications from outstanding candidates for a tenure-track faculty position for primary appointment at the Halıcıoğlu Data Science Institute. The appointment will be at the Assistant level. Successful appointees will have a track record of scientific accomplishments, excellence in teaching, a commitment to university service and a commitment to support diversity, equity and inclusion at the university. The University of California, San Diego is committed to academic excellence and diversity within the faculty, staff and student body.

We study principles, techniques, and tools for acquiring, managing, and analyzing large and complex datasets throughout their whole lifecycle. We build and deploy software systems and software-hardware integrated systems to aid data-driven decision making and responsible data science in both the digital and the physical worlds.

Search Focus:

We seek faculty candidates with background and experience in building and studying systems and infrastructure for data science, including architectural design, software systems, and software-hardware integrated systems. Four specific areas of focus include:

- Systems for ML / AI / data mining; distributed data systems; cluster / cloud computing
- Security for data / ML / AI applications
- Data visualization and Statistical visualization
- Cyber-physical systems, Human-cyber-physical systems, and IoT applications

Candidates with a track record of building tools and artifacts, as well as demonstrated impact on major data science application domains such as healthcare, robotics, natural sciences, social sciences, etc. are especially encouraged to apply.

This position requires teaching of university student and a PhD or Advancement to Candidacy is required at time of application.

Courses expected for teaching include (but not limited to) topics such as scalable analytics systems, data visualization, ML security, and/or signal processing for data analysis. In addition, all formally appointed faculty in HDSI are expected to participate in mentoring undergraduate students' year-long capstone projects.

To apply, please visit: <https://apptrkr.com/2708345>

UC San Diego



Assistant Teaching Professor - HDSI

The University of California, San Diego seeks applications from outstanding candidates for the tenure-track position of Assistant Teaching Professor within the Halıcıoğlu Data Science Institute. The Assistant Teaching Professor position (formal title "Lecturer with Potential Security of Employment") is a tenure-track faculty appointment with a strong emphasis on teaching in addition to pedagogical and/or disciplinary research.

We seek applicants who will excel at developing and teaching courses in data science. While applications from all areas of data science will be considered, we especially encourage those with teaching or research experience in data visualization, software development, distributed processing systems, and/or programming languages to apply.

This position requires teaching of university students and applicants are required to have a PhD or Advancement to Candidacy at time of application in Computer Science, Engineering, Math or related discipline.

Successful appointees will have a track record of excellence in teaching, research accomplishments, a commitment to university service, and a commitment to support diversity, equity, and inclusion at the university. The University of California, San Diego is committed to academic excellence and diversity within the faculty, staff, and student body.

To apply, please visit: <https://apptrkr.com/2709031>

Professional Opportunities

UC San Diego Design Lab

Faculty Positions in Human-Centered Design

The Design Lab at UC San Diego (<http://designlab.ucsd.edu>) seeks candidates for tenure-track Assistant Professor and tenured Associate Professor faculty positions across multiple disciplines to begin July 1, 2022.

We foster research and practice that centers people and communities in

designing interdisciplinary solutions to complex, socio-technical problems.

We especially seek scholars who engage major societal issues at the intersections of Blackness, Indigeneity, race, migration, gender, sexuality, disability, class and other manifestations of power and difference.

For the 2021-2022 hiring cycle, the Design Lab is partnering with the following units: Communication, Computer Science and

Engineering, Electrical and Computer Engineering, Music, NanoEngineering, Public Health and Human Longevity, and Urban Studies and Planning.

This position requires teaching of university students.

For more information and to apply online:
 Assistant Professor, Design Lab: <https://apol-recruit.ucsd.edu/JPF03086>
 Associate Professor, Design Lab: <https://apol-recruit.ucsd.edu/JPF03085>



Assistant Professor - Data Science and Public Policy (HDSI/GPS)

The University of California, San Diego invites applications for a tenure-track faculty position in Data Science and Public Policy (primary appointment at the Halicioğlu Data Science Institute with joint appointment in the School of Global Policy and Strategy). The appointment will be at the Assistant Professor level. Successful appointees will have a track record of research accomplishments, excellence in teaching, and a commitment to support diversity, equity and inclusion at the university. The University of California, San Diego is committed to academic excellence and diversity within the faculty, staff, and student body.

Economics, Political Science, and Public Policy are all seeing rapid advancement in the ability to understand human behavior in new ways through the use of data. We seek faculty applicants who are experts in data science, economics, political science, or public policy. Faculty candidates should demonstrate interest and contributions in both: (1) an aspect of data science vital to the design or implementation of public policy, including machine learning, artificial intelligence, natural language processing, network analysis, data privacy and security, or algorithmic fairness; and (2) a policy domain of long-term priority, including public health, public infrastructure (e.g., transportation, housing, smart cities), movement and settlement of peoples (e.g., migration, refugees, border issues), fairness and discrimination (e.g., in employment, housing, or criminal justice), international trade and finance, climate and energy policy, or defense and security policy.

This position requires teaching of university students and applicants are required to have a PhD or advancement to candidacy at the time of the application. The degree should be in Data Science, Computer Science, Political Science, Economics, Public Policy or related discipline.

To apply, please visit: <https://apptrkr.com/2706416>



Assistant Professor - Statistical Foundations of Data Science (HDSI)

The University of California, San Diego invites applications from outstanding candidates for a tenure-track faculty position for primary appointment at the Halicioğlu Data Science Institute. The appointment will be at the Assistant level. Successful appointees will have a track record of scientific accomplishments, excellence in teaching, a commitment to university service and a commitment to support diversity, equity and inclusion at the university. The University of California, San Diego is committed to academic excellence and diversity within the faculty, staff and student body.

Statistical Foundations of Data Science, Applied Statistics and Biostatistics:

Statistics (including Biostatistics) is the science of drawing inferences from data, thus forming a pillar of the emerging discipline of data science, together with Machine Learning. While both Statistics and Machine Learning are seeking optimal procedures for inference, e.g. prediction, the latter is more focused on algorithms and their computation/implementation, while the former is crucially tasked with quantifying the accuracy of such inference. Topics of current interest in Statistics include (but are not limited to): high-dimensional data, large-scale hypothesis testing, regularization and sparsity, functional data, causal inference, complex data, dependent data, selective inference, prediction intervals, quantification of statistical significance and statistical data visualization.

Successful applicants will be expected to teach graduate and undergraduate students in the Data Science major/minor degree programs offered by the Institute. In case of a partial joint appointment with another department, the teaching workload would include appropriate course work in the participating department. All candidates are expected to establish a vigorous program of high-quality federally funded research that focuses on innovations in one of the targeted search areas.

This position requires teaching of university student and a PhD or Advancement to Candidacy is required at time of application.

To apply, please visit: <https://apptrkr.com/2710151>

Professional Opportunities

University of Central Arkansas

Assistant Professor in Cybersecurity or Data Science

The Department of Computer Science and Engineering at the University of Central Arkansas is seeking candidates for a tenure-track Assistant Professor in Cybersecurity or Data Science beginning in 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 <http://jobs.uca.edu/postings/9279>.

Review of applications will begin on January 31, 2022, and will continue until the position is 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/AE Employer.

University of Central Florida

Associate Professor or Professor or Director of the Modeling and Simulation

The University of Central Florida (UCF) is accepting applications for a tenured faculty position at the rank of associate professor or professor, and director of the graduate programs in the School of Modeling, Simulation, and Training (SMST). This is a 9-month, state-funded appointment within the Modeling and Simulation (M&S) graduate programs, <https://msgrad.ist.ucf.edu>, to begin no later than August 2022.

We seek applicants with a demonstrated record of rigorous research and scholarship, a record of external contract and grant funding, and excellence in teaching (especially mentoring and training graduate students) within topics relevant to M&S. We are interested in faculty with a demonstrated record of academic leadership such as initiating new programs; aligning existing programs with the strategic directions of the university and the region; interacting with business, government, and K-12 representatives on how our M&S program can serve their future workforce needs; and the development of strategic partnerships to advance the education of the existing workforce.

The selected candidate will serve as the M&S graduate program director (initially for up to a 5- year term, renewable). While serving as graduate program director, the faculty member will: have a full teaching release for the first year and a reduced teaching load for the remainder of the directorship terms and receive a commensurate summer stipend. For a description of typical program director responsibilities, see <https://graduate.ucf.edu/graduate-guide>.

The University of Central Florida is an equal opportunity/affirmative action employer. All qualified applicants will receive consideration for employment without regard to sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected Veteran status, age, or any other characteristic protected by law. UCF's Equal Opportunity Statement can be viewed at: <http://www.oie.ucf.edu/documents/PresidentsStatement.pdf>.

For more information about this position, see <http://www.ucf.edu/jobs>.

The University of Central Florida is proud to be a smoke-free campus and an E-Verify employer.

University of Colorado Denver

Senior Instructor or Assistant Professor

The Department of Computer Science and Engineering in the College of Engineering, Design and Computing at the University of Colorado Denver invites applications for

Professional Opportunities

multiple non-tenure track faculty positions at the level of Instructor, Senior Instructor or Assistant Professor (open rank), Clinical Teaching Track. The major responsibility of individuals in these positions will be developing and teaching courses in the undergraduate Cybersecurity program in Computer Science and Engineering.

For more information and to apply, go to <https://cu.taleo.net/careersection/2/jobdetail.ftl?job=23840&lang=en>.

Applications are accepted electronically ONLY

University of Connecticut

Assistant Research Professor (Faculty Fellows), Data Science

The University of Connecticut School of Business seeks applications for a non-tenure track Assistant Research Professor position with expertise in Data Science. The position has a preferred start date of August 23, 2022 and will be based in Stamford, Connecticut. For details and to apply, visit <https://academicjobsonline.org/ajo/jobs/18113>.

UConn is an AA/EEO employer.

University of Delaware

Newark, DE

Open-Rank Faculty Position in Computer and Information Sciences

Applications are invited for a continuing-track open rank faculty position in teaching of computer and information sciences at University of Delaware to

begin Fall 2022. For application, please visit <https://www.udel.edu/faculty-staff/human-resources/careers/> Job Reference # 497161.

Equal Employment Opportunity:

The University of Delaware is an Equal Opportunity Employer which encourages applications from minority group members, women, individuals with a disability and veterans. The University's Notice of Non-Discrimination can be found at <http://www.udel.edu/aboutus/legalnotices.html>. Employment offers will be conditioned upon successful completion of a criminal background check. A conviction will not necessarily exclude you from employment.

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 Georgia

Assistant or Associate Professor

The Department of Computer Science at the University of Georgia invites applications for a tenure-track Assistant or Associate Professor position starting August 2022.

Applicants should hold a Ph.D. in Computer Science or related field at the time of appointment. The ideal candidate for this position will have a strong research background/record in the foundational

aspects of Computer Vision and Machine Learning and show a commitment to excellence in both research and teaching. We especially seek applicants specializing in Computer Vision applications to biological, biomedical and bioinformatics data, but we welcome applications addressing all facets of Computer Vision from qualified candidates. To be eligible for tenure upon appointment, candidates must be appointed as an Associate Professor or Full Professor, have been tenured at a prior institution, and bring a demonstrably national reputation to the institution. Candidates must be approved for tenure upon appointment before hire. Please see the Promotion/Tenure Criteria for the Department at this link:
https://provost.uga.edu/_resources/documents/Computer_Science_2020.pdf

The University of Georgia (UGA) is making significant investments in Artificial Intelligence (AI) and Data Science to address some of society's most urgent challenges. To this end, UGA has established the Presidential Interdisciplinary Faculty Hiring Initiative in Data Science and AI, which aims to recruit 50 new faculty members within the next two years who will educate students and advance research in Data Science and AI, including both foundational research and applied research in cross-cutting areas such as cybersecurity, cyber-physical systems, infectious diseases, integrative precision agriculture, ethics, resilient communities and the environment.

Within UGA's broad initiative, the Department of Computer Science, in collaboration with the Department of

Professional Opportunities

Mathematics and the UGA Institute for Cybersecurity and Privacy, has established a cluster hire initiative on Secure AI Systems that can support a variety of sensitive applications, including secure, privacy-preserving, and efficient learning for biomedical and biological applications. This cluster hire initiative aims to hire four new faculty members over two years in the following areas of research: Computer Vision (this position), High- Performance AI Systems, Cryptography, and Cryptographic Machine Learning.

Computer Science is a growing and congenial department of 35 faculty within the Franklin College of Arts and Sciences (FCAS). The department has more than 1,280 undergraduate students, more than 180 graduate students, and offers the B.S., M.S., and Ph.D. degrees in Computer Science, as well as a B.S. degree in Data Science and an M.S. degree in Cybersecurity and Privacy. The teaching load allows for substantial concentration on research. In addition to the areas in which we are recruiting, our faculty cover a broad range of research interests, including algorithms, artificial intelligence, bioinformatics, brain imaging and mapping, computer security, computational science and high-performance computing, computer vision, data privacy, distributed and real-time systems, machine learning, parallel and distributed computing, robotics, simulation, and semantic web. Please see <http://www.cs.uga.edu> for more information about the department and the university.

FCAS, its many units, and UGA are committed to increasing the diversity of its faculty and students, and to sustaining

a work and learning environment that is inclusive. Women, minorities, protected veterans, and individuals with disability are encouraged to apply. UGA is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation, or protected veteran status. Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact Central HR (hrweb@uga.edu). Please do not contact the department or search committee with such requests.

UGA is the state's oldest, most comprehensive, and most diversified institution of higher education (<http://www.uga.edu>). UGA is currently ranked among the top 20 public universities in U.S. News & World Reports. The university's main campus is located in Athens, approximately 65 miles northeast of Atlanta. UGA, founded in 1785 as the first state-chartered university in the country. The University's enrollment exceeds 39,000, including over 29,700 undergraduates and over 9,000 graduate and professional students. Academic programs reside in 17 schools and colleges, as well as a medical partnership with Augusta University housed on the UGA Health Sciences Campus in Athens.

To apply, please go to <https://www.ugajobsearch.com/postings/226194>. Please upload a cover letter, curriculum vitae, short statements of research interests, and teaching philosophy. Please

also provide contact information (email and telephone number) for three references.

All applications received by December 01, 2021 will receive full consideration

University of Georgia

Lecturer in Computer Science

The Department of Computer Science at the University of Georgia invites applications for a full-time, non-tenure track Lecturer position starting August 2022.

To apply, please go to <https://www.ugajobsearch.com/postings/226041>

All applications received by December 01, 2021 will receive full consideration.

For more details and application information, please click on this link: <https://cs.uga.edu/news/stories/2021/hiring-lecturer-position-computer-science>

University of Illinois System - Chicago

Discovery Partners Institute

Research Associate/Senior Research Associate

The Discovery Partners Institute provides a platform for people to jumpstart their tech careers or companies in Chicago. Led by the University of Illinois System in partnership with local and global research universities, DPI does three things: tech talent development, applied R&D, and business development. DPI prepares students and workers to step into high-demand tech jobs. It also builds research

Professional Opportunities

teams helps them to identify and pursue new funding opportunities. With state investment and a new urban innovation district in development just south of the Chicago Loop, DPI has the resources to attract, develop and leverage the most ambitious people and companies the region has to offer - and keep them here.

DPI invites nominations and applications for the position of Research Associate/ Senior Research Associate. This role offers an opportunity to help shape and drive one of DPI's core missions: Research & Development (R&D). They are expected to participate in research project design, development and execution through the production of independent research and by taking ownership of sub-projects within large multi-faceted R&D efforts. They should provide creative ideas and direction for their assigned projects and are expected to take initiative. Topics for research will vary but will be primarily related to computing and may include a range of approaches including AI/ML, IoT, cloud-based computing, statistics, simulations, and cybersecurity. DPI is especially interested in supporting research that is grounded in practice and has commercialization potential.

Research Associates must demonstrate independence in executing a particular research effort. They must be familiar with data collection, data analysis, programming (one or more languages), have subject-matter expertise in one or more areas, and have good verbal and written communication abilities necessary to produce scholarly work in scientific

conferences as well as produce results that meet the professional demands of the industrial sectors. Research Associates are expected to work closely with both our internal R&D team members as well as collaborators in University of Illinois and with other DPI partner institutions.

Candidates must possess a minimum of an M.S. degree or equivalent in a computing related field. A Ph.D. is preferred with Minimum of two years of experience in performing research in a university or corporate research lab for Research Associates. Minimum of four years of experience for Senior Research Associates. Candidates that are closer to completion ("all but dissertation") are encouraged to send inquiries or apply. For full position description and requirements, see the website below.

This is a full-time, 12-month Academic Professional position. For full consideration, candidates must apply and submit a letter of application, resume, and names/addresses/phone numbers of three professional references by February 5, 2022 at <https://uajobs.hruillinois.edu/>.

The System Office conducts background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act. 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 <https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899>

System Human Resource Services
(312) 996-5130 erhr@uillinois.edu

The System Office is an affirmative action/equal opportunity employer dedicated to building a community of excellence, equity and diversity. The System Offices welcome applications from women, underrepresented minorities, individuals with disabilities, protected veterans, sexual minority groups and other candidates who will lead and contribute to the diversification and enrichment of ideas and perspectives.

University of Illinois System - Chicago

Discovery Partners Institute

Research Scientist/Senior Research Scientist

Search Extended

The Discovery Partners Institute (DPI) empowers people to jumpstart their tech careers or companies in Chicago. Led by the University of Illinois System in partnership with some of the world's top research institutions, DPI does three things centered around economic development: tech talent development for high-demand tech jobs; applied research and development; and building a stronger tech ecosystem. DPI prepares students and workers to step

Professional Opportunities

into high-demand tech jobs. It also builds research teams and matches them with new funding. With state investment and a new innovation district in development, DPI has the resources to attract, develop and leverage the most ambitious people and companies the region has to offer - and keep them here.

DPI invites nominations and applications for Research Scientists and Senior Research Scientists. These roles offer an extraordinary opportunity to help shape and drive one of DPI core missions: Research & Development. These positions bring together research initiatives by coalescing teams of faculty and scientists across institutions and disciplines. Research Scientists are principal contributors in developing specific research project requirements and are responsible for all aspects of the project from conception to finding funding through execution.

Research Scientists must demonstrate leadership, for example, as principal investigator, as head of a defined research project, or as key interstitial members of research teams. They must provide overall program/project leadership and management, conduct and publish self-initiated research, conduct research across programs or projects, train and manage other researchers or staff, and participate in long-range research planning. Research Scientists are expected to work closely with both our internal R&D team members as well as the external members of our Science Teams. DPI is especially interested in supporting research that is relevant or provides economic benefit to the state

of Illinois and has commercialization potential. Experience in commercialization is preferred.

Candidates must possess a Ph.D degree in computing-relevant field with Minimum of four years' experience in managing a research program or team. (Severn years required for the Senior Research Scientist title). For full position description and requirements, see the website below.

This is a full-time, 12-month Academic Professional position. For full consideration, candidates must apply and submit a letter of application, resume, and names/addresses/phone numbers of three professional references by February 5, 2022 at <https://uajobs.hr.uillinois.edu/>.

The System Office conducts background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act. 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 <https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899>

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welcome applications from women, underrepresented minorities, individuals with disabilities, protected veterans, sexual minority groups and other candidates who will lead and contribute to the diversification and enrichment of ideas and perspectives.

University of Illinois Urbana Champaign

*School of Information Sciences
Tenure-Track Faculty Positions
(Open Rank)*

The School of Information Sciences (iSchool) at the University of Illinois invites applications for full-time, tenure-track faculty positions at all ranks. We especially welcome applications in the broad areas of data science and artificial intelligence (AI). For a full position description and to apply, please visit <https://jobs.illinois.edu>.

Full consideration is guaranteed for all applications received by December 1, 2021.

University of Illinois faculty, staff and students are required to be fully vaccinated against COVID-19. 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.

The U of I is an EEO Employer/Vet/Disabled <http://go.illinois.edu/EEO> that participates in the federal e-Verify program and participates in a background check program focused on prior criminal or sexual misconduct history.

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University of Illinois Urbana-Champaign

Full-Time Faculty Positions

The Department of Electrical and Computer Engineering at the University of Illinois Urbana-Champaign invites applications for full-time faculty positions. All qualified candidates will be considered at all levels and in all areas of electrical and computer engineering, broadly defined, to include the areas of Computational and Physical Electronics; Electromagnetics and Sensing Systems; Power and Energy Systems; Bioinformatics and Bioimaging; Circuits - System on a Chip; AI/Autonomous Systems; Robotics; Signal Processing and Machine Vision; Data Science and Applications; Control, Optimization, and Decision Science; Embedded Computing Systems and the Internet of Things; Data - Centric Computer Systems and Storage; Networked and Distributed Computing Systems. Areas of particular emphasis in this year's search are (1) Reliable/Secure Computing and Networked Systems and (2) Power Electronics/Power Semiconductors/Renewable Energy.

The University of Illinois is an Equal Opportunity, Affirmative Action employer that recruits and hires qualified candidates without regard to race, color, religion, sex, sexual orientation, gender identity, age, national origin, disability or veteran status. For more information, visit go.illinois.edu/EEO. To learn more about the University commitment to diversity, please visit engineering.illinois.edu/about/diversity.html.

Applications are also encouraged from candidates whose degrees and research programs are in core as well as broad interdisciplinary areas of electrical and computer engineering. Senior and mid-career faculty are encouraged to apply. Qualified senior candidates may also be considered for tenured Associate and Professor positions as part of the Grainger Engineering Breakthroughs Initiative (GEBI), which is backed by a \$100-million gift from the Grainger Foundation. Over the next few years, more than 35 new endowed professorships and chairs will be established in areas of strategic interest to The Grainger College of Engineering. Such areas include, but are not limited to, bioengineering, big data, quantum information, robotics and machine learning. More information about the Grainger Initiative can be found at grainger.illinois.edu/research/granger-breakthroughs.

Applicants for all positions at the assistant professor level must have an earned Ph.D. or equivalent terminal degree, excellent academic credentials, and an outstanding ability to teach effectively at both the graduate and undergraduate levels. Successful candidates will be expected to initiate and carry out independent research and to perform academic duties associated with our B.S., M.S., M.Eng., and Ph.D. programs. Ideal candidates include those who demonstrate evidence of a commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors.

The department has one of the very top programs in the world, serving close to 3,000 students and granting approximately 450 B.S. degrees, 100 M.S. degrees, 80

M. Eng. degrees, and 75 Ph.D. degrees annually. Faculty in the department carry out research in a broad spectrum of areas and are supported by world-class interdisciplinary research facilities, including the Coordinated Science Laboratory, the Information Trust Institute, the Parallel Computing Institute, the Nick Holonyak Jr. Micro and Nanotechnology Laboratory, the Beckman Institute for Advanced Science and Technology, the Carl R. Woese Institute for Genomic Biology, as well as several industrial centers and programs that foster International collaborations. The ECE Department also supports and encourages faculty involvement with the Nation's first engineering-based College of Medicine that has opened on campus to facilitate transition from engineering breakthroughs into translational medical practices.

Application deadline is **December 1, 2021**

- applications received by this date will be given full consideration by the Search Committee -- but the interview process of earlier applicants may begin before this date and continue until suitable candidates are identified.

Salary will be commensurate with qualifications. Preferred starting date is August 16, 2022 but is negotiable. Applications can be submitted by going to <https://jobs.illinois.edu> and uploading a cover letter, CV, teaching statement, research statement, and statement on commitment to diversity, along with names of three references. The statement on diversity should address past and /or potential contributions to diversity, equity, and inclusion through research, teaching, and/or

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service. For inquiry, please call 217-333-2302 or email ece-recruiting@illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer. Convictions are not a bar to employment. 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 Policy on Consideration of Sexual Misconduct in Prior Employment. As a qualifying federal contractor, the University of Illinois System uses E-Verify to verify employment eligibility. The University of Illinois must also comply with applicable federal export control laws and regulations and, as such, reserves the right to employ restricted party screening procedures for applicants.

We have an active and successful dual-career partner placement program and a strong commitment to work-life balance and family-friendly programs for faculty and staff (provost.illinois.edu/faculty-affairs/work-life-balance).

University of Illinois Urbana-Champaign

The Grainger College of Engineering

Teaching Faculty (Open Rank) - Computer Science

The Computer Science Department in the Grainger College of Engineering at the University of Illinois invites applications for open positions at the

rank of Assistant, Associate, or full Teaching Professor. We welcome faculty able to teach across the computer science curriculum, and are particularly interested in candidates who can teach artificial intelligence, data and information systems, and data science. Applicants should have a terminal degree in computer science or a closely related field. Initial appointments will be on three-year contracts renewed annually, at a rank commensurate with prior experience, and at a competitive salary.

Application review and interviewing will begin immediately. Applications received by December 1, 2021 will receive full consideration, but applications will be accepted until all positions are filled.

Applications should be submitted by visiting <https://jobs.illinois.edu> and uploading a cover letter, curriculum vitae, teaching statement, diversity statement, and contact information for three references. Competitive applications will include evidence of effective pedagogy, such as course materials and assignments; peer, student, or statistical evaluations; or descriptions of novel approaches, tools, or systems that the applicant has developed. Applicants who desire confidentiality should explicitly mention this in the first paragraph of their cover letter. For inquiries, please email hr@cs.illinois.edu

Successful applicants will join a large and active teaching faculty community. Our department's 21 teaching faculty embrace the challenges and rewards of teaching at scale, but generally do so by teaching many students across a small number of courses. Many instructors choose to teach

the same course for multiple semesters, allowing them to develop deep mastery of their subject while supporting long-term investments in innovative pedagogy.

Teaching faculty have primary responsibility for designing and delivering the undergraduate core, but teach courses throughout the undergraduate and graduate degree programs and online. Teaching faculty also engage in other activities that support the university's educational mission, including leadership and service at the department, campus, or international level; collaborations that develop new courses or curricula; student mentoring and advising; creating systems and tools that support novel educational approaches; data analysis; community outreach; and research in computer science education or other areas of computer science.

A full description of this position announcement can be found at <https://cs.illinois.edu/faculty-positions>.

Please apply by December 15th for full consideration.

University of Illinois faculty, staff and students are required to be fully vaccinated against COVID-19. 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.

The U of I is an EEO Employer/Vet/Disabled (<http://go.illinois.edu/EEO>) that participates in the federal e-Verify program and participates in a background check program focused on prior criminal

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or sexual misconduct history. The University of Illinois must also comply with applicable federal export control laws and regulations and, as such, reserves the right to employ restricted party screening procedures for applicants.

We have an active and successful dual-career partner placement program and a strong commitment to work-life balance and family-friendly programs for faculty and staff as described here: (<https://provost.illinois.edu/faculty-affairs/work-life-balance>).

University of Illinois

Tenure-Track Faculty Positions (Open Rank)

The School of Information Sciences (iSchool) at the University of Illinois invites applications for full-time, tenure-track faculty positions at all ranks. We especially welcome applications in the broad areas of data science and artificial intelligence (AI).

For a full position description and to apply, please visit <https://jobs.illinois.edu/academic-job-board/job-details?jobID=155898&job=school-of-information-sciences-tenure-track-faculty-positions-open-rank-155898>.

Full consideration is guaranteed for all applications received by December 1, 2021, but we strongly encourage candidates to apply even after this date.

University of Illinois faculty, staff and students are required to be fully vaccinated against COVID-19. 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.

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University of Maryland, College Park

Faculty Positions in Quantum Science and Information

The University of Maryland, College Park, College of Mathematical and Natural Sciences invites applications for multiple faculty positions at all levels in quantum science and information. The position(s) would reside in the Department of Physics, the Department of Computer Science, the Department of Mathematics, or the Department of Chemistry and Biochemistry depending on the research and qualifications of the applicant. All areas of quantum science and information will be considered, including quantum computation, quantum simulation, quantum information processing, quantum sensing, and quantum networking. Research can be experimental, theoretical or computational in nature. Successful applicants will be expected to maintain active research programs and teach undergraduate and graduate courses in the College of Mathematical and Natural Sciences.

The University of Maryland, College Park, College of Mathematical and Natural Sciences is home to major

research efforts in quantum science and information through the Joint Quantum Institute (JQI, <http://jqi.umd.edu>) and the Joint Center for Quantum Information and Computer Science (QuICS, <http://quics.umd.edu>), and in collaboration with the Clark School of Engineering through the Quantum Technology Center (QTC, <http://qtc.umd.edu>).

Minimum requirements: A Ph.D. in physics, computer science, mathematics, chemistry or a quantum-related discipline and independent research experience. Good teaching is a high priority of the College, and a potential for teaching excellence is necessary. The University of Maryland and the College of Mathematical and Natural Sciences are committed to increasing the diversity of the campus community. Candidates who have experience working with a diverse range of faculty, staff, and students, and who can contribute to the climate of inclusivity are encouraged to identify their experience in these areas.

Applicants should submit the following items:

- A cover letter
- A curriculum vitae, including a publication list
- A statement of research, not exceeding 3 pages
- A statement of teaching, not exceeding 3 pages
- Applicants should arrange for at least 3 references who will provide letters of recommendation
- A sample of three significant publications (optional)

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Applications must be submitted here:
<https://ejobs.umd.edu/postings/91259>

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. UMD is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, sex, pregnancy, gender identity or expression, sexual orientation, marital status, age, national origin, political affiliation, physical or mental disability, religion, protected veteran status, genetic information, personal appearance, or any other legally protected status in all aspects of employment.

University of Maryland College Park

Department of Computer Science

*Associate Professor with Tenure or
Tenured Professor*

The Department of Computer Science and the Department of Electrical and Computer Engineering at the University of Maryland, College Park, MD, USA are recruiting to fill two Brendan Iribe Endowed Professorships, one in Computer Science and one in Electrical and Computer Engineering, with start dates on or after July 1, 2022. Outstanding mid-career and senior candidates (Associate Professors with tenure and Professors with tenure) in artificial intelligence,

machine learning, robotics, autonomy, and their applications are encouraged to apply. Successful applicants will have their tenure home in either department with a joint appointment in the other.

The departments are committed to building a diverse faculty pre-eminent in their missions of research, teaching, and service to the community, and they especially encourage applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials. Interested candidates should apply on-line at <https://ejobs.umd.edu> in order to receive consideration.

Search under Faculty for position #126848. Applicants are encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by December 31, 2021, but applications will be accepted until all positions are filled. Candidates will be prompted during the online application process to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu.

Both the Department of Computer Science (CS) and the Department of Electrical and Computer Engineering (ECE) at the University of Maryland are consistently ranked among the top-15 nationally. In 2019, the CS Department and some of the ECE faculty moved into their new state-

of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the CS and ECE departments is available at <http://www.cs.umd.edu> and at <http://www.ece.umd.edu>. To learn more about the Iribe Center, please visit <https://iriбе.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, three international airports, 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.

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University of Maryland College Park

Department of Computer Science

*Assistant Professor, Associate Professor or
Professor (Immersive Media)*

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting for a tenure track position in areas related to immersive media, including but not limited to Artificial Intelligence, Computer Vision, Human-Computer Interaction, Computer Audition, Machine Learning, Visualization, Computer Graphics, and XR/AR/VR, with starting dates on or after July 1, 2022. The opening is not restricted to any rank and outstanding candidates at all levels are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

The successful candidate will have the opportunity to join exciting new collaborative initiatives across the campus to develop programs that integrate art and technology in support of new and emerging forms of digital and immersive media. The Immersive Media Design program (<https://imd.umd.edu>) is a collaboration between the Departments of Computer Science and Art that supports new interdisciplinary majors in immersive media, and its many applications in art, entertainment, interactive games, medicine, industry, data visualization, architecture, and other fields. The Immersive Media Design

program is a cornerstone of the University of Maryland Arts for All initiative (<https://arts.umd.edu>) to make UMD a national leader in new media. We are looking for candidates interested in engaging with these initiatives through their research and teaching.

The Department of Computer Science is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply online at <https://ejobs.umd.edu> in order to receive consideration. Search under Faculty for position #126846. Applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by December 31, 2021. Applications are accepted until the position is filled. Candidates will be prompted when submitting their application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently

ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <https://iriбе.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, three international airports, 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

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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, College Park

Cybersecurity and Privacy Faculty Member

The Maryland Cybersecurity Center (MC2) has openings for multiple tenured and/or tenure-track 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 pre-eminent 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, College Park

Endowed Professors in Data Science and Machine Learning

The College of Computer, Mathematical and Natural Sciences is recruiting to fill three endowed professor positions in Data Science and Machine Learning.

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Outstanding mid-career and senior candidates across all sub-fields, including applications of machine learning or data science in any area; and candidates working in foundational areas as well as interdisciplinary candidates working in exciting domains will be considered. Successful applicants may have a home department in Computer Science, Mathematics, or another appropriate department, or may have a joint appointment in two departments.

Minimum qualifications: Ph.D. in appropriate academic discipline. Strong demonstrated record in research, mentoring, and service to the broader scientific community.

Applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and the names of at least four references. Best consideration date is December 31, 2021. Applications are accepted all year until all positions are filled.

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.

More details and application link here:

<https://ejobs.umd.edu/postings/88327>

University of Maryland, College Park

Department of Computer Science

Assistant Professor, Associate Professor or Professor (Data Science)

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill a tenure track faculty position in data science, with starting dates on or after July 1, 2022. Exceptional candidates in all aspects of data science, including systems, algorithms, theory, machine learning, visualization, and applications, are being sought. The opening is not restricted to any rank and outstanding candidates at all levels are encouraged to apply. Successful applicants will have their tenure home in the Department of Computer Science, and they will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute. The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition,

candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply on-line at <https://ejobs.umd.edu> in order to receive consideration. Search under Faculty for position #126847. Applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by December 31, 2021.

Applications are accepted until all positions are filled. Candidates will be prompted when submitting their application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at <http://www.cs.umd.edu>.

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edu and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <https://iriбе.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, three international airports, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

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University of Maryland, College Park

Open Rank Lecturer Data Visualization

The College of Information Studies at the University of Maryland, College Park (UMD's iSchool), invites applications for a full-time lecturer who is highly competent, energetic, collegial, and flexible to join our exciting environment. As a lecturer in the iSchool, you will work closely with undergraduate and graduate students by teaching three classes per semester (fall and spring), participate in review and development of program and course curricula, and actively participate in the life of the college and university as a full member of the faculty.

Successful candidates will have expertise and interests in areas such as, but not limited to:

- Data visualization, including visualization, interactive visualization, information visualization, scientific visualization;
- Visual analytics, including visual analysis, progressive analytics, visual reasoning, analytical reasoning, immersive analytics; or
- Visual data exploration, including exploratory data analysis, graphical inference, statistical graphics

Possible course assignments include: Introduction to Data Visualization, Data Visualization, Visual Analytics, Decision-Making for Information Science, and Big Data Analysis & Visualization.

While these areas of expertise and courses are of particular interest,

candidates with expertise and interest in any data visualization topics are encouraged to apply.

The expected start date for this position is Fall 2022.

For more information about the position, please visit: <https://ejobs.umd.edu/postings/91031>

University of Massachusetts Amherst

Executive Director of Operations - MassAITC

The Robert and Donna Manning College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for an Executive Director of Operations for the Massachusetts AI and Technology Center for Connected Care in Aging and Alzheimer's Disease (MassAITC).

MassAITC aims to foster interdisciplinary research on the development, validation and translation of emerging AI-enhanced technologies to support healthy aging as well as the care of individuals with AD/ADRD. MassAITC is funded by a \$20 million, five-year award from the National Institutes of Aging. More information on MassAITC can be found at <https://massaitc.org>.

For the complete position announcement including minimum qualifications and application instructions, please visit <https://careers.umass.edu/amherst/en-us/job/510738/executive-director-of-operations-massaitc>.

Professional Opportunities

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

University of Massachusetts Amherst

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 <https://cics.umass.edu/jobs>. 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.

University of Massachusetts Boston

Non-Tenure-Track Lecturer

Job description:

The Department of Computer Science at the University of Massachusetts Boston seeks applications for a full time, benefited, non-tenure-track lecturer whose primary responsibility will be to teach in and help shape our undergraduate Computer Science major. The initial appointment will be for the Spring 2022 semester, with renewals possible (and expected) for the right person.

The lecturer provides instruction at the undergraduate level in the Department of Computer Science (<http://www.cs.umb.edu>) in a range of computer science topics. Primary responsibilities include teaching four courses each semester, developing new materials for courses, advising students and overseeing processes for the program to maintain accreditation. Knowledge of assembly programming, computer architecture, and operating systems is highly desirable.

Requirements:

Prior experience in teaching Computer Science at the university level; significant prior experience in the Software or Information Technology industry. The candidate must hold a Master's or higher degree in Computer Science or a related area.

Additional information:

UMass Boston provides equal employment opportunities (EEO) to all employees and applicants for employment.

Application Instructions:

To apply, please submit your application consisting of a CV with a cover letter, a statement about your teaching and work experience and the names and email addresses of three references online.

Review of applications will begin on December 20th, 2021 and continue until the position has been filled.

For additional details, please email hiring@cs.umb.edu.

Professional Opportunities

University of Massachusetts Dartmouth

Full-Time Lecturer Position in Computer and Information Science

The Department of Computer and Information Science (CIS) in the College of Engineering at the University of Massachusetts Dartmouth invites applications for a Full-Time Lecturer position in the area of software engineering or related field in computer science starting in September 2022. Primary responsibilities for this position include undergraduate and graduate instruction with both classroom and online teaching modes and student advising.

The University of Massachusetts Dartmouth is located in the beautiful ocean side community of Dartmouth, about an hour south of Boston, half-hour east of Providence, and half-hour west of Cape Cod. It offers a world-class education to more than 9,300 undergraduate and graduate students each year in over 40 undergraduate and 23 graduate programs.

Candidates must have earned a Master's degree in computer science or closely-related field at the time of employment, have experience with teaching at the

college level and be authorized to work in the US on a full-time basis. Strong candidates will have a Ph.D. degree in computer science or closely-related field, documented success in teaching at the college level, experience with both classroom and online modes of instruction, and research and development experience in the area of software engineering or

related fields. We are especially interested in receiving qualified applications from minorities, women, veterans and persons with disabilities.

Further information and application instructions are available at

<http://www.umassd.edu/hr/employmentopportunities/>

University of New Haven

Computer Science

The University of New Haven invites applications for multiple non-tenure-track positions in computer science.

For a full description [Click here](#)

University of North Texas

Assistant / Associate Professor

The University of North Texas (UNT), a Tier 1 Research Institution (Carnegie Classification as a Doctoral University: Highest Research Activity), invites applications for two Assistant/Associate tenure track faculty positions in the Department of Computer Science and Engineering (CSE) starting Fall 2022.

Candidates in the areas of Computer Systems and Artificial Intelligence who can contribute to one or more of the department's existing strengths and/or college priority areas are especially encouraged to apply. Outstanding candidates who can contribute to one or more of the department's existing strengths will also be considered.

Candidates for these positions are expected to develop a strong research program at the assistant level, and have a demonstrated record at the associate level, funded by external sources, support and mentor graduate students. All candidates are expected to conduct research, seek funding support, supervise graduate students and teach both graduate and undergraduate level courses. UNT is committed to the equal opportunity and comply with all applicable federal and state laws regarding nondiscrimination and affirmative action. More information and application instructions are available from:

<https://jobs.untsystem.edu/postings/53870>

Reviews will be done in rolling basis with first committee meeting on Jan 14th. For questions, contact: Yan.Huang@unt.edu

University of Notre Dame

Postdoctoral Research Associate

The Department of Computer Science and Engineering at the University of Notre Dame has an open postdoctoral position to study computational social science in the dis/misinformation arena. This is an annual renewable appointment for up to two years, subject to performance and funding.

The postdoc will join a dynamic and interdisciplinary team that includes computer, political, and cognitive scientists. The postdoc will work with Dr. Tim Weninger as well as other postdocs and several PhD students on developing novel software and

Professional Opportunities

performing analysis and modeling of social media data. Areas of focus will include empirical and experimental analysis of social media content, models for the spread of information, and cognitive models of information processing.

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

Applicants must submit a cover letter and CV to apply.interfolio.com/98634.

To guarantee full consideration, applications must be received by January 15, 2022, however, review of applications will continue until the position has been filled.

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 Oklahoma

Faculty Positions in ECE Available

The University of Oklahoma (OU), Gallogly College of Engineering (GCoE), invites applicants for the following two positions in the Schools of Electrical & Computer Engineering and Industrial & Systems Engineering:

Professor or Associate Professor in Human-Computer Teaming and Interactive Decision Making – Humans and computers have complementary knowledge and skillsets. To solve challenging problems, we need to team these expertise together for effectiveness, reliability, efficiency, and adoption of many data-driven solutions. This area is cross-disciplinary and we seek a senior faculty member with expertise in one or more of human-computer teaming, visualization, visual analytics, human-machine interaction, decision theory, HCI, human factors and industrial engineering, or cognitive psychology. This faculty member will be a vital core team member in data science and data-driven decision making with a home department in ECE and possible joint appoint in ISE, Computer Science, Psychology, and/or Political Science.

Apply here:
<https://apply.interfolio.com/97229>

2) Assistant Professor in AI Architectures – We seek to recruit a transdisciplinary faculty member with expertise in one or more of the following areas: scalable, high-performance software and hardware architectures for AI and advanced analytics, advanced and domain-tailored data science, AI (trustable, science-based, and human-guided), and human-computer teaming. Specific areas of interest include probabilistic, neuromorphic, and novel architectures, software pipelines and operating system architectures to support high-performance analytics, and enable real-time trustable

AI and decision-making. Since traditional computing architectures are still based on solving problems from the 20th century, new computing hardware and software architectures are needed to optimize computing for AI and machine learning and many new approaches to science and engineering. This faculty member will grow and complement work in computer engineering, computer science and the new OU quantum center (CQRT) with a home department in ECE and possible joint appointments where appropriate. Apply here: <https://apply.interfolio.com/97161>

Additional details on each position, including required qualifications and application materials, available facilities and collaborations, and search committee contact information are available at links shown above. Confidential review of applications will begin in December 2021.

The University of Oklahoma: The University of Oklahoma is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic and healthcare needs of the state, region, and nation from three campuses: the main campus in Norman, the Health Sciences Center in Oklahoma City, and the Schusterman Center in Tulsa. OU enrolls over 30,000 students and has more than 2,700 full-time faculty members. Norman is a culturally rich and vibrant town located in the Oklahoma City metro area. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender on the “Best Places to Live” rankings.

Professional Opportunities

EEO/AA Policy

Equal Employment Opportunity Statement

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to: admissions, employment, financial aid, housing, services in educational programs or activities, or health care services that the University operates or provides.

Contact

Dr. David S. Ebert

Schools of Electrical & Computer Engineering and Computer Science

Associate Vice President of Research and Partnerships

Director, Data Institute for Societal Challenges

The University of Oklahoma

Norman, OK 73019

Email: ebert@ou.edu

University of Pittsburgh

Appointment-Stream Faculty Positions

As the University of Pittsburgh's newest school, the School of Computing and Information (SCI) is a growing interdisciplinary community of faculty,

staff and students who are accustomed to progressing through change, thinking beyond boundaries and innovating new approaches to lead our institution and nation to positive change. Since 2017, SCI has hired more than twenty-five faculty members, and we are continuing our growth with multiple faculty openings this year.

The University of Pittsburgh is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. SCI is fostering an equitable and inclusive community with our scholarship, education and faculty development initiatives, including policies to promote a healthy work-life balance; programs to meet the needs of two career couples; and a commitment to recruit, retain and develop a diverse faculty. Candidates whose research, teaching and service contribute to the academic diversity of our campus and who have demonstrated commitment to working with students from diverse backgrounds are encouraged to apply.

SCI's interdisciplinary research and education includes computer science, information science and library and information science with rich connections to partners in health sciences, medicine, engineering, social sciences, humanities, business and other areas.

About the Department of Computer Science

The Department of Computer Science (CS) (www.cs.pitt.edu) is one of the oldest CS departments in the country. It is one of the three departments in the School of Computing and Information. We are

located in Pittsburgh, PA, frequently voted as one of the most livable cities in the U.S., with a vibrant education, technology, culture and sports environment. The Pittsburgh "story" is one of resilience and adaptation, which made the city known for its "eds and meds" (education and medical institutions) on the national and international stage. Our department is a community that includes 22 full-time tenure-stream faculty, nine appointment-stream faculty, more than 100 graduate students, more than 900 pre-CS/CS majors and thousands of alumni. The department places a high priority on diversity, social justice and inclusive excellence in research and teaching. The department currently features nine faculty members with Artificial Intelligence (AI) as one of their primary research areas, working on a diverse portfolio of federally funded projects, with collaborations spanning multiple other disciplines in addition to computer science, such as medicine, information science, law, psychology, political science, learning sciences, engineering, etc.

Appointment-Stream Positions

The Department of Computer Science is inviting applications for two teaching assistant professor positions (in the appointment stream) with an anticipated starting date of Fall 2022. The department is looking for candidates who are eager to use pedagogical approaches and inclusive practices and have experience teaching in any of the following areas: algorithms and theory; computer systems (especially cloud computing, HPC, and mobile computing); data science, probability, and

Professional Opportunities

statistics; and software engineering and software quality assurance.

Appointment-stream faculty are full-time faculty with long-term career advancement opportunities that mirror tenure-track faculty lines. Appointment stream faculty are fully integrated into the operations of the department, school, and university and are encouraged to mentor undergraduate research.

Required Qualifications:

Applicants for the Teaching Assistant Professor position should have a PhD in computer science or a closely related discipline. Candidates should have the required degrees by September 1, 2022.

Preferred Qualifications:

Successful candidates should hold a PhD in Computer Science or a closely related area and have a proven track record of excellence in effective teaching, including teaching courses as primary instructor, course and curriculum development, pedagogy innovation, student extracurricular activities and inclusive education teaching practices.

Application Process

Individuals interested in these openings may apply at <https://sci.pitt.edu/recruiting>. Please provide the following:

- A cover letter that reflects on your interest,
- a curriculum vitae,
- a teaching statement describing your teaching philosophy,

- a diversity statement that highlights your experiences with diversity in teaching as well as service, and your potential to support SCI's commitment to building and fostering an inclusive environment,
- the names and contact information for at least three recommenders, and
- teaching evaluations, if available

Application review will begin immediately. We anticipate that interviews will begin mid-to-late January. For best consideration, please apply by January 3, 2022. The anticipated start date is September 1, 2022. Questions about this position and/or application status should be emailed to sci-recruit@pitt.edu.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity. EOE, including disability/vets.

University of Pittsburgh

School of Computing and Information

Tenure-Stream Faculty positions

As the University of Pittsburgh's newest school, the School of Computing and Information (SCI) is a growing interdisciplinary community of faculty, staff and students who are accustomed to progressing through change, thinking beyond boundaries and innovating new approaches to lead our institution and nation to positive change. Since 2017, SCI has hired more than twenty-five faculty members, and we are continuing

our growth with multiple openings in the tenure stream this year. At SCI, we particularly seek candidates that support our mission in creating, nurturing and sustaining an equitable environment that values our differences and promoting these values within and beyond our school.

The University of Pittsburgh is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. SCI is fostering an equitable and inclusive community with our scholarship, education and faculty development initiatives, including policies to promote a healthy work-life balance; programs to meet the needs of two career couples; and a commitment to recruit, retain and develop a diverse faculty. Candidates whose research, teaching and service contribute to the academic diversity of our campus and who have demonstrated commitment to working with students from diverse backgrounds are encouraged to apply.

SCI's interdisciplinary research and education includes computer science, information science and library and information science with rich connections to partners in health sciences, medicine, engineering, social sciences, humanities, business and other areas.

About the Position(s)

We have multiple openings in the tenure-stream:

- Artificial Intelligence (AI) (Assistant Professor, Department of Computer Science) Position #02949

Professional Opportunities

- Digital Archives, Large-scale Data, and Computing (Assistant Professor, Department of Information Culture and Data Stewardship) Position #02191
- Large-scale Distributed and Networked Information Systems (Assistant Professor, Department of Informatics and Networked Systems) Position #02649

Minimum required qualifications

- Candidates should hold a PhD degree in computer science, information science or some closely related area
- Candidates should hold the PhD degree by September 2022

Application Process

Individuals interested in these openings may apply at <https://sci.pitt.edu/recruiting>. A completed application includes a cover letter, curriculum vitae, research statement, teaching statement, statement of commitment to creating a diverse and inclusive community and the names and contact information for at least three recommenders for applications for positions at the assistant professor level.

Application review will begin immediately. We anticipate that interviews will begin in February 2022. Please refer to the position descriptions for preferred qualifications and application deadlines. The anticipated start date is September 1, 2022. Questions about these positions and/or application status should be emailed to sci-recruit@pitt.edu.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity, EOE, including disability/vets.

University of Pittsburgh

Dean, School of Computing and Information

The University of Pittsburgh School of Computing and Information (SCI) is seeking a strategic, visionary, and transformational leader. The new Dean will lead with an inclusive approach, engaging faculty, students, staff, and alumni to move the school forward while also operating with a distinctly entrepreneurial perspective, exploring new opportunities to increase SCI's reach, impact, and national and international reputation.

For full information about the position, please visit the search [website](#).

artificial intelligence, human-computer interaction, systems, and theory. We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments, including brain and cognitive science, electrical and computer engineering, linguistics, optics, biomedical engineering, the laboratory for laser energetics, the school of education, and several departments in the medical center.

Anchoring the Finger Lakes region of western New York State, the greater Rochester area is home to over a million people, and offers unsurpassed quality of life, with a thriving arts scene, outstanding public schools, affordable housing, and a huge range of cultural and recreational opportunities.

University of Rochester

Teaching Position in Computer Science

The University of Rochester Department of Computer Science seeks applicants for a full-time teaching position, as an assistant, associate, or full professor of instruction (non-tenure), or lecturer. Candidates must have a PhD in computer science or a related discipline (or industry experience/expertise commensurate with having earned a PhD). The preferred candidate will have college teaching experience, a strong commitment to working with students, the ability and passion to help develop new courses along with any necessary labs, and high personal motivation and responsibility. The position may start as early as July 1, 2022.

Computer science at Rochester (<https://www.cs.rochester.edu/>) has a distinguished history of research in

Interested individuals should submit a cover letter, curriculum vitae, and teaching statement to the University of Rochester Faculty Recruiting website (<https://www.rochester.edu/faculty-recruiting>), and must arrange for three letters of recommendation to be similarly submitted. Upload of application materials will also require a statement of commitment to advancing equity and fostering an inclusive and diverse community in academia.

Applications must be received by January 15, 2022 to be guaranteed full consideration; submissions beyond this date risk being overlooked due to limited interview slots.

For more information about the Computer Science department, please visit: <https://www.cs.rochester.edu>

Professional Opportunities

The University of Rochester, an Equal Opportunity Employer, has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education.

EOE Minorities/Females/Protected Veterans/Disabled.

University of Southern California

Viterbi School of Engineering

(Open Rank) Assistant, Associate or Full Professor of Computer Science

The Department of Computer Science (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<https://viterbischool.usc.edu>) is in a period of significant and sustained faculty growth. We have multiple openings for tenure-track positions in all areas and at all ranks. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women; individuals of African, Hispanic and Native American descent; veterans; and individuals with disabilities. Candidates committed to advancing diversity, equity, and inclusion through research, teaching, and service are strongly encouraged to apply.

We are looking for candidates with a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

Applicants should submit their applications online here (<https://usccareers.usc.edu/job/los-angeles/open-rank-assistant-associate-of-full-professor-of-computer-science/1209/18305287600>).

Applications must include a cover letter indicating the applicant's area of specialization, a detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applicants are encouraged to include a statement on fostering an environment of diversity and inclusion.

Applications should be submitted by January 5, 2022. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 189 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute; two previously awarded National Science Foundation Engineering Research Centers and Department of Energy EFRC (Energy Frontiers Research Center); and the Department of Homeland Security's first University Center of Excellence, CREATE. The School is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies, and the USC Stevens Center for Innovation. Research expenditures typically exceed \$210 million annually. With 41 tenure-track, 29 research faculty, and 16 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

The USC Viterbi School of Engineering is committed to enabling the success of dual career families and fosters a family-friendly environment. USC is an equal opportunity, affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.

University of South Florida

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 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

Professional Opportunities

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 AI with a focus on collaboration across disciplines. The Institute of Applied Engineering provides agile, best-value 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, 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 high-impact 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 equal to or higher than white and higher-income 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: <https://www.usf.edu/work-at-usf/careers>. For consideration, please apply to the appropriate position level (Assistant Professor, search Job ID #27778, Associate Professor, Search Job ID #27779, Full Professor, search Job ID #27780).

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 Toronto

Multiple Tenure-stream Positions

The Department of Computer Science at the University of Toronto invites applications for multiple positions with appointments commencing on July 1, 2022, or shortly thereafter.

Professional Opportunities

We will soon begin accepting applications for a limited term teaching position at the Rank of Assistant Professor, Teaching Stream.

- **Assistant Professor, Teaching Stream** | Coming soon (Contractually Limited Term Appointment)

We are currently accepting applications for tenure-stream positions. For the positions listed below, applicants should endeavour to submit all materials (including reference letters) by December 6, 2021, when we will start reviewing applications. However, we will give full consideration to all applications submitted by the closing date of January 10, 2022.

The department is conducting three open-area searches:

- **Open-area** (UTSG)
 - » Assistant Professor (x3)
[| PDF](#) [| Apply now](#)

In addition, the department is conducting targeted searches in the following areas:

- **Data Systems and Data Management** (UTSG)
 - » Assistant Professor (x2)
[| PDF](#) [| Apply now](#)
- **Data Visualization and Exploration** (UTSG)
 - » Assistant Professor [| PDF](#) [| Apply now](#)
- **Distributed Systems** (UTSC)
 - » Associate Professor [| PDF](#) [| Apply now](#)
 - » Assistant Professor [| PDF](#) [| Apply now](#)
- **Knowledge Representation and Reasoning** (UTSG)

- » Associate Professor | [PDF](#) [| Apply now](#)
- » Assistant Professor | [PDF](#) [| Apply now](#)

- **Machine Learning with a focus on Deep Learning** (UTSG)
 - A joint position with the [*Department of Electrical and Computer Engineering*](#)
 - » Associate/Full Professor | Coming soon
 - » Assistant Professor | [PDF](#) [| Apply now](#)
- **Systems and Security** (UTM)
 - » Assistant Professor (x2)
[| PDF](#) [| Apply now](#)

The Department of Computer Science spans three campuses at the University of Toronto. Each position includes an appointment with the tri-campus Graduate Department of Computer Science and an appointment at one of our campuses: [*Department of Computer Science, University of Toronto St. George*](#) (UTSG); [*Department of Computer and Mathematical Sciences, University of Toronto Scarborough*](#) (UTSC); or [*Department of Mathematical and Computational Sciences, University of Toronto Mississauga*](#) (UTM).

For more information about the Department of Computer Science, contact www.cs.toronto.edu, or recruit@cs.toronto.edu.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

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

University of Toronto

Assistant Professor, Teaching Stream - Computer Engineering

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering (ECE) at the University of Toronto invites applications for a full-time teaching stream faculty appointment at the rank of Assistant Professor, Teaching Stream, in the general area of Computer Engineering. The appointment will commence on July 1, 2022, or shortly thereafter.

Applicants must have a Ph.D. in Electrical and Computer Engineering, or a related field, at the time of appointment or soon after, with a demonstrated record of excellence in teaching. Candidates must have the expertise to teach in a degree granting program at the undergraduate level, including in the development and delivery of undergraduate courses and laboratories, and supervision of undergraduate design projects. Additionally, candidates must possess a demonstrated commitment to excellent pedagogical practices and a demonstrated interest in teaching-related scholarly activity.

Evidence of excellence in teaching and pedagogical inquiry will be demonstrated by previous teaching experience and accomplishments; the teaching dossier submitted as part of the application including a teaching statement describing philosophy, approach, interests,

Professional Opportunities

and experience, in all pedagogical settings including classroom, engineering design instruction, laboratory, tutorial, workshop, small group and individual mentorship; awards and accolades; sample course syllabi and materials; and teaching evaluations, as well as strong letters of reference from referees of high standing endorsing excellent teaching and commitment to excellent pedagogical practices and teaching innovation. Eligibility and willingness to register as a Professional Engineer in Ontario is highly desirable.

Equity, diversity, and inclusion (EDI) are essential to academic excellence and to the success of our department. Evidence of a commitment to EDI must be demonstrated by a statement, submitted with the application, describing views, experiences and/or plans furthering EDI via teaching mentorship, outreach, and/or other activities.

Salary will be commensurate with qualifications and experience.

The Faculty of Applied Science and Engineering offers opportunities for collaborative and interdisciplinary research and teaching, and the excitement of working with a diverse student population. Established in 1873, the Faculty of Engineering has earned an international reputation for excellence in education and knowledge creation and is known as a forward-thinking resource to address global concerns. As the economic and intellectual hub of Canada, Toronto provides access to leading policy and decision makers at all levels, and is a

vibrant, cosmopolitan and safe city. For more information about the Faculty of Applied Science and Engineering, please visit: engineering.utoronto.ca.

The Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto ranks among the best in North America. It attracts outstanding students, has excellent facilities, and is ideally located in the middle of a vibrant, artistic, diverse and cosmopolitan city. Additional information may be found at <http://www.ece.utoronto.ca>.

All qualified applicants are invited to apply online by clicking the link below. Applicants must submit a cover letter, a current curriculum vitae, a teaching dossier including a summary of previous teaching experience and accomplishments (as outlined above), a teaching statement, sample course syllabi and materials, and teaching evaluations, and an EDI statement (as noted above).

Applicants must provide the name and contact information of three references, including at least one primarily addressing the candidate's teaching. The University of Toronto's recruiting tool will automatically solicit and collect letters of reference from each after an application is submitted (this happens overnight). Applicants remain responsible for ensuring that references submit letters (on letterhead, dated and signed) by the closing date.

Applications must be submitted through our online application system. Applications submitted in any other way will not be considered. Submission guidelines can be

found at <http://uoft.me/how-to-apply>. If you have any questions about this position, please contact the ECE department at search2021@ece.utoronto.ca.

Review of applications will begin after January 17, 2022, however applications will be accepted until February 28, 2022. **To be considered, all application materials, including reference letters, must be received by February 28, 2022.**

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

Diversity Statement

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

Accessibility Statement

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding

Professional Opportunities



The Department of Computer Science at the University of Toronto invites applications for multiple positions with appointments commencing on July 1, 2022, or shortly thereafter.

We will soon begin accepting applications for a limited term teaching position at the Rank of Assistant Professor, Teaching Stream.

- **Assistant Professor, Teaching Stream** | Coming soon
(Contractually Limited Term Appointment)

We are currently accepting applications for tenure-stream positions. For the positions listed below, applicants should endeavour to submit all materials (including reference letters) by December 6, 2021, when we will start reviewing applications. However, we will give full consideration to all applications submitted by the closing date of January 10, 2022.

The department is conducting three open-area searches:

- **Open-area (UTSG)**
 - Assistant Professor (x3) | [PDF](#) | [Apply now →](#)

In addition, the department is conducting targeted searches in the following areas:

- **Data Systems and Data Management (UTSG)**
 - Assistant Professor (x2) | [PDF](#) | [Apply now →](#)
- **Data Visualization and Exploration (UTSG)**
 - Assistant Professor | [PDF](#) | [Apply now →](#)
- **Distributed Systems (UTSC)**
 - Associate Professor | [PDF](#) | [Apply now →](#)
 - Assistant Professor | [PDF](#) | [Apply now →](#)
- **Knowledge Representation and Reasoning (UTSG)**
 - Associate Professor | [PDF](#) | [Apply now →](#)
 - Assistant Professor | [PDF](#) | [Apply now →](#)
- **Machine Learning with a focus on Deep Learning (UTSG)**
A joint position with the [Department of Electrical and Computer Engineering](#)
 - Associate/Full Professor | [Coming soon](#)
 - Assistant Professor | [PDF](#) | [Apply now →](#)
- **Systems and Security (UTM)**
 - Assistant Professor (x2) | [PDF](#) | [Apply now →](#)

The Department of Computer Science spans three campuses at the University of Toronto. Each position includes an appointment with the tri-campus Graduate Department of Computer Science and an appointment at one of our campuses: [Department of Computer Science, University of Toronto St. George](#) (UTSG); [Department of Computer and Mathematical Sciences, University of Toronto Scarborough](#) (UTSC); or [Department of Mathematical and Computational Sciences, University of Toronto Mississauga](#) (UTM).

For more information about the Department of Computer Science, contact www.cs.toronto.edu, or recruit@cs.toronto.edu.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

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

Professional Opportunities

equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.

The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities.

If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca.

University of Tulsa

Assistant/Associate/Full Professor of Cyber Studies

The School of Cyber Studies at the University of Tulsa (TU) seeks two full-time open-rank tenure-track faculty beginning August 2022. This new, interdisciplinary school builds on TU's long history of excellence in cyber security, administering BS, MS and PhD degrees.

We welcome applicants from a wide variety of disciplinary backgrounds with strong research records and a commitment to teaching excellence.

Candidates are encouraged to apply by December 31, 2021. The search will remain open until the positions are filled.

For more information and to apply, visit <https://universitytulsa.peopleadmin.com/postings/5021>.

University of Waterloo

Management Science Professor and Department Chair

Ranked #1 in Canada and in the top 50 engineering Faculty's in the world, University of Waterloo Faculty of Engineering occupies a singular space in the world of technology and innovation because of our unique co-operative education program, entrepreneurship ecosystem, and our strong partnership with industry.

The Department of Management Sciences in the Faculty of Engineering in Waterloo, Ontario is searching for its next Department Chair. Home to 450 undergraduate students, 240 graduate students, 8 staff, and 30 faculty members, this vibrant Department provides a unique and innovative environment for research and learning in management sciences. The Department of Management Sciences is a diverse academic unit with faculty in the areas of Applied Operations Research, Information Systems, and Management of Technology. This interdisciplinary nature of the Department provides an excellent environment to master emerging modeling and analytics tools for decision making that enable organizations to reap the most benefit from their resources at their fingertips and succeed in today's highly competitive world.

The successful applicant will have a relevant PhD degree, and is expected to hold a professional engineering license for practice in Canada or be eligible to apply for a license immediately upon appointment.

The base salary range for the position is \$175,000 to \$220,000. Negotiations beyond this range will be considered for exceptionally qualified candidates.

For more information and to apply, please visit: <https://uwaterloo.ca/engineering-management-sciences-department-chair>

Virginia Tech

Department of Computer Science

Collegiate Assistant Professor

The Department of Computer Science at Virginia Tech invites applicants for a collegiate assistant professor position. Higher ranks (collegiate associate professor or collegiate full professor) will be considered based on the applicant's qualifications. 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 teaching and research. We embrace Virginia Tech's motto, Ut Prosim ("That I May Serve"): we are committed to education, research, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

Collegiate faculty members have a primary commitment to our instructional mission: duties will include graduate and undergraduate teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Successful candidates will contribute to enhancing curricula and promoting teaching excellence.

Professional Opportunities

The collegiate faculty rank is a non-tenure-track position that offers a promotion path with increasingly long-term contracts. Collegiate faculty are full members of the faculty and are encouraged to participate in research and scholarship, mentor graduate students, and participate in department and professional service. Candidates will have the opportunity to collaborate with a wide range of research groups in the department, including a nationally-recognized group in CS education research.

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 proven ability to work collaboratively, a commitment to interdisciplinary instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Candidates with demonstrated knowledge of CS education research topics such as education-related software systems, student data analytics, CS education for non-majors or at the K-12 level, cybersecurity education, data science education, distance and online education, experiential learning, or diversity in CS are encouraged to apply. 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.

Applicants must apply online at [jobs.vt.edu](https://careers.pageuppeople.com/968/cw/en-us/job/517834/collegiate-assistant-professor) (job number 517834); application materials include a cover letter; curriculum vitae; a statement discussing teaching perspective and goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three

references. Review of applications will begin December 1, 2021 and continue until the position is filled. Questions regarding the position should be directed to Dr. Stephen Edwards, search committee chair, at edwards@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.

Direct link to apply: <https://careers.pageuppeople.com/968/cw/en-us/job/517834/collegiate-assistant-professor>

Professional Opportunities

Virginia Tech

Department of Computer Science

Instructor

The Department of Computer Science at Virginia Tech invites applicants for two instructor positions. 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 teaching and research. We embrace Virginia Tech's motto, Ut Prosim ("That I May Serve"): we are committed to education, research, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

Instructors have a primary commitment to the teaching mission of the department: duties include teaching at the undergraduate level, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Successful candidates should give evidence of potential to teach multiple computer science courses and to excel in classroom instruction. The instructor rank is a non-tenure-track position that offers a promotion path with increasingly long-term contracts.

The department currently has 67 faculty members, including 56 tenured or tenure-track faculty, over 1,400 undergraduate majors, and over 600 graduate students. The department is in the College of Engineering, whose undergraduate program ranks 13th and graduate program ranks 31st among all U.S. engineering schools (USN&WR). 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.

The successful candidate will have a master's degree in computer science or a closely related field at the time of appointment, a proven ability to work collaboratively, a commitment to interdisciplinary instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. 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.

Applicants must apply online at jobs.vt.edu (job number 517900): application materials include a cover letter; curriculum vitae; a statement discussing teaching perspective and goals; a statement on contributions to advancing diversity, equity, and inclusion; and contact information for at least three references. Review of applications will begin December 1, 2021 and continue until the position is filled. Questions regarding the position should be directed to Dr. Stephen Edwards, search committee chair, at edwards@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.

Direct link to apply: <https://careers.pageuppeople.com/968/cw/en-us/job/517900/instructor>

Virginia Tech

Collegiate Faculty and Professors of Practice in Computer Science

The Virginia Tech Innovation Campus and the Department of Computer Science seek applicants for two collegiate assistant professor or assistant professor of practice positions for our graduate programs to be delivered in the Washington DC Metropolitan

Professional Opportunities

area. Qualified candidates may be considered for appointments at the ranks of collegiate associate professor or associate professor of practice. Virginia Tech's Innovation Campus is a bold, new vision for graduate education in computer science and computer engineering. Located adjacent to the nation's capital in Alexandria, Virginia, it will unite industry, government, and academia in dynamic project-based learning and purpose driven research to shape the way emerging technologies influence society. Construction has begun on the 11-story first academic building for the Innovation Campus, which is set to open in 2024. These faculty will have the unique opportunity to design and shape the cutting-edge instructional programs to be offered at the Innovation Campus.

Successful candidates will have a primary commitment to our instructional mission. Duties will include graduate level teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Collegiate faculty members and professors of practice are full members of the faculty who are encouraged to participate in research and scholarship, mentor graduate students, participate in department and professional service, etc. The positions do not offer tenure but do offer a clear promotion path with the potential of increasingly long-term contracts. Candidates will have the opportunity to collaborate with a wide range of research groups in the department, including a nationally-recognized group in CS education research.

Candidates with demonstrated knowledge of CS education research topics such as project-based learning, education-related software systems, student data analytics, CS bridge programs, distance and online education, or diversity in CS are encouraged to apply.

Collegiate faculty candidates must have a Ph.D. in computer science or a related field at the time of appointment. Professor of practice candidates must have a Master's in computer science or a closely related discipline and significant professional experience in a computing related field.

Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world. Building on its motto of Ut Prosim (that I may serve), Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. We actively seek a broad spectrum of candidates to join our community in preparing leaders for the world. The Department of Computer Science 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.

The CS undergraduate program is based at the main campus in Blacksburg, VA. CS graduate programs are offered in both Blacksburg and Northern Virginia, where master's and doctoral degrees have been offered for more than forty years at facilities in Falls Church and Arlington.

Direct link to apply: <https://careers.pageuppeople.com/968/cw/en-us/job/517924/collegiate-faculty-or-professor-of-practice>

Virginia Tech

Assistant Professor - Food Traceability

The Virginia Tech College of Agriculture and Life Sciences (CALS) is seeking applicants for a tenure track faculty position in Food Traceability as part of its Phase II SmartFarm Innovation Network™ faculty cluster hire. Phase II includes a total of seven (7) faculty positions to be filled within several academic units and Agricultural Research and Extension Centers. This position will be located at the Virginia Seafood Agricultural Research and Extension Center (VSAREC) in Hampton, Virginia. (<https://www.arec.vaes.vt.edu/arec/virginia-seafood.html>).

Professional Opportunities

To apply for this position please go to the following link: <https://careers.pageuppeople.com/968/cw/en-us/job/517919/assistant-professor-food-traceability>

Virginia Tech

Faculty Positions

Human-Computer Interaction

Department of Computer Science

The Department of Computer Science at Virginia Tech invites applications for tenure-track assistant professor positions in human-computer interaction and related areas. Exceptional candidates at higher ranks will also be considered.

Strong candidates from any area related to human-computer interaction, user experience, or interactive computing are encouraged to apply. We especially encourage applicants with interests in novel interactive experiences and technologies—including immersive environments (virtual reality and augmented reality), multi-sensory displays, multi-modal input, visualization, Internet of Things, human-robot interaction, human-AI collaboration, and creative technologies. The successful candidate will have opportunities for collaboration in the interdisciplinary *Center for Human-Computer Interaction* that includes more than 50 faculty across campus, the *Institute for Creativity, Arts, and Technology*, and the *Sanghani Center for Artificial Intelligence & Data Analytics*.

The Department of Computer Science 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.

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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 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 \(Job #517689\)](https://careers.pageuppeople.com/968/cw/en-us/job/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 position is filled. Questions regarding the position should be directed to **Dr. Doug A. Bowman** at dbowman@vt.edu.

The department fully embraces Virginia Tech's commitment to increase faculty,

Professional Opportunities

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.

To apply for this position, please visit
<https://careers.pageuppeople.com/968/cw/en-us/job/517689/open-rank-faculty-positions-in-computer-science>

Virginia Tech

*Assistant Professor in
Quantum Computing*

The Department of Computer Science at Virginia Tech invites applications for tenure-track assistant professor positions in quantum computing on its Blacksburg, Virginia campus. Exceptional candidates at higher ranks may also be considered.

Strong candidates from any area related to quantum computing such as quantum algorithms, quantum machine learning, quantum computational complexity theory, quantum information theory, quantum error correction, quantum cryptography, or other quantum research areas are encouraged to apply. Candidates working at the intersection of quantum computing and other computer science research areas are also encouraged to apply.

The successful candidate will have the opportunity to be a part of a university-wide initiative in quantum information science. Quantum information science is a rapidly growing effort at Virginia Tech spanning several departments including Computer Science, Mathematics, Physics, Chemistry, and Electrical and Computer Engineering. The successful candidate will benefit from a vibrant research environment and will help establish Virginia Tech as a leader in interdisciplinary quantum research, education, and outreach.

The Department of Computer Science 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.

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At the time of appointment, the successful candidate will possess a doctoral degree in computer science or a related field, a record of rank-appropriate academic accomplishments, and a proven ability to work collaboratively. Further, the successful candidate will demonstrate 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

Professional Opportunities

and develop independent research that is internationally recognized for excellence; to provide conscientious mentorship to research-oriented graduate students; to teach effectively at both graduate and undergraduate levels; and to 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 \(Job #517689\)](https://jobs.vt.edu/Job/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 December 1, 2021 and continue until the position is filled. Questions regarding the position should be directed to **Dr. Jamie Sikora** at sikora@vt.edu.

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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.

To apply for this position, please visit <https://careers.pageuppeople.com/968/cw/en-us/job/517689/open-rank-faculty-positions-in-computer-science>

Virginia Tech

*Department of Computer Science
Rolls-Royce Commonwealth Professor*

The *Department of Computer Science at Virginia Tech* invites applications to hold the **Rolls-Royce Commonwealth Professorship in the College of Engineering**. This endowed position will recognize a distinguished faculty member at the full professor rank, who will provide leadership in the department, college, and university in teaching and research in the area of artificial intelligence (AI) and machine learning (ML). We especially encourage applicants with expertise that combines physics-based modeling and ML, e.g., science-guided ML, combining ML based surrogate models and physics informed simulation models,

ML algorithms optimized to work with physics models, etc.

The Department of Computer Science is in a period of rapid growth and expanding opportunity. (Please see other postings for multiple other faculty positions this year.) 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 **Sanghani Center for Artificial Intelligence & Data Analytics** (<https://sanghani.cs.vt.edu/>) and the **Center for Human-Computer Interaction** (<http://hci.vt.edu/>). 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.

Professional Opportunities

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** (<https://vt.edu/innovationcampus/index.html>) in Alexandria, VA, slated to open in 2024.

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 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 #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 position is filled. Questions regarding the position 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.

a tenure track faculty at the assistant professor level starting from Fall 2022. 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, and related areas are especially encouraged to apply. Candidates should have a Ph.D. in Computer Science, or closely related field, and the potential for excellence in teaching and research. Experienced candidates may also be considered at associate professor level.

Applications must be submitted at <https://jobs.wayne.edu/> (posting #046067) [https://jobs.wayne.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=575683] 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 DBLP are recommended.

For full consideration, applications must be submitted by Feb. 1, 2022. Applications will be accepted until the positions are filled.

The Department of Computer Science at Wayne State has 22 tenure-stream faculty, and 6 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.

Wayne State University

Assistant Professor - Computer Science

Located in the mid-town of Detroit, the Wayne State University (WSU) Computer Science department anticipates hiring

Professional Opportunities

WSU is a major urban research university (Carnegie R1) with about 2,500 faculty and 27,000 students. WSU is committed to increasing access to education, employment, programs, and services for all. WSU is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high-quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity, and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color and other underrepresented people. WSU is an affirmative action/equal opportunity employer.

Detroit epitomizes the modern, livable, vibrant, and diverse city. World-class amenities like the US-Canada riverfront, Detroit Institute of Arts, culture venues and festivals, as well as an international airport (DTW) that flies non-stop to world-wide destinations. There are several satellite cities within 25 miles of metro-Detroit that are ranked as the top-100 most suitable for living cities (e.g., Troy, Ann Arbor, Birmingham, Novi) with the nation's finest school districts.

Offers of employment by the WSU 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.

Wayne State University

Dean of the College of Engineering

Wayne State University (WSU) seeks a visionary and collaborative leader to serve as the next dean of the College of Engineering. Applications, inquiries and nominations are invited.

All applications, nominations and inquiries are invited. Applications should include, as separate documents, a CV or resume and a letter of interest addressing the themes in the leadership profile, which can be found at www.wittkieffer.com.

WittKieffer is assisting Wayne State University in this search. For fullest consideration, candidate materials should be received by **February 25, 2022**.

Application materials should be submitted using WittKieffer's [candidate portal](#).

Nominations and inquiries can be directed to:

Zachary A. Smith, Ph.D., Jessica Herrington and Luis Bertot

WayneStateEngineeringDean@wittkieffer.com

Wayne State University is an equal opportunity employer. No person will be discriminated against or



Whitman College

Assistant Professor of Computer Science (2 positions)

Located in the historic community of Walla Walla and adjacent to a walkable downtown with a vibrant cultural scene, Whitman's beautiful tree-lined campus is home to an intellectually diverse, dynamic, and supportive community of some 500 staff and faculty serving roughly 1,500 undergraduate students from the local region and across the globe. With exceptional students, accomplished faculty and staff, along with a fiercely loyal and growing number of engaged alumni, Whitman College continues to build on its national reputation for academic excellence as one of the top liberal arts colleges in the country. Whitman's proximity to Seattle, Portland, the Umatilla National Forest, Gonzaga University, and Washington State University make for enjoyable weekends and ample opportunities for collaboration.

The Department of Computer Science seeks applicants for two Tenure-track positions beginning August 2022, rank open. Applicants must have a Ph.D. by the time of appointment. Areas of interest include, but are not limited to: algorithms, algorithmic bias, artificial intelligence, assistive technology, computational biology, computer graphics, computer vision, computing education, computing ethics, databases, data science, human-computer interaction, information visualization, machine learning, natural language processing, networking, programming languages, robotics, scientific computing, software engineering, security, systems, and theory.

We seek candidates who will strive for excellence in teaching as well as scholarship, including those who currently hold industry positions. The successful candidate will offer a range of computer science courses at all levels, supervise senior capstone projects, and offer courses that contribute to the College's general education requirements. The standard annual teaching load is five courses. The College provides a generous pre-tenure sabbatical leave program and professional development support for both research and teaching.

Whitman College is committed to cultivating an inclusive learning community. Applicants should be able to demonstrate their commitment to diversity, equity, and inclusion and articulate how their classroom and scholarly practices work to advance antiracism in the learning environment. This statement can be included in the cover letter or the teaching statement. In their cover letter, candidates should address their interest in working at a liberal arts college with undergraduates, majors as well as non-majors, at all levels of instruction.

To apply, go to <https://apptrkr.com/2691516>. BambooHR will prompt you to submit all of the required materials: a letter of application; separate statements addressing the candidate's teaching interests and scholarly/performance agenda; curriculum vitae; contact information for three references; graduate transcripts; and evidence of demonstrated or potential excellence in undergraduate instruction.

Review of applications will begin January 12, 2022.

Whitman College is cultivating a community built on inclusion and belonging. We recognize the value of those who can offer historically underrepresented perspectives and encourage applications from those whose background, knowledge, and insights from lived experience can add to the college's working and learning environment. Whitman College is an EEO employer.

No applicant shall be discriminated against on the basis of race, color, sex, gender, religion, age, marital status, national origin, disability, veteran's status, sexual orientation, gender identity, or any other basis prohibited by applicable federal, state, or local law.

For additional information about Whitman College and the Walla Walla area, see www.whitman.edu and www.wallawalla.org.

For full application instructions and position description, visit

<https://apptrkr.com/2691516>

Professional Opportunities

harassed in employment because of race, color, religion, gender, national origin, age, disability, familial status, marital status, arrest record, height, weight, sexual orientation, qualified Vietnam era veterans, qualified special disabled veterans, recently separated veterans and other protected veterans, or any other characteristic protected by applicable federal or state law.

