

# 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

### CRA-I Computing Research in Industry Roundtable

Computing Research Association – Industry (CRA-I) held a roundtable in November organized by Jaime Teevan (Microsoft) and Ben Zorn (Microsoft) on **Computing Research in Industry**, which was based on the very successful and well attended session of the same name at the **CRA Conference at Snowbird 2022**.

*see page 7 for full article*

### Fostering Responsible Computing Research White Paper Released

The white paper outlines the conclusions of the National Academies report “**Fostering Responsible Computing Research: Foundations and Practices**” and presents community-generated ideas about implementing its findings at computing institutions. The paper also details CRA’s recently formed **Socially Responsible Computing Working Group**, led by co-chairs Ran Libeskind-Hadas and Ellen Zegura.

*see page 11 for full article*

### Expanding the Pipeline: Roadmap of CISE’s Efforts to Broaden Participation in Computing Through the Years

This article presents the progress made in Broadening Participation in Computing and calls upon the entire computing community to take on the important goal of addressing underrepresentation in computing disciplines.

*see page 13 for full article*

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# CRA Update: Keeping you in the know

*By Tracy Camp (CRA Executive Director) and Nancy Amato (CRA Board Chair)*

The CRA Board election is on-going: **academic candidates** (8 openings) and **non-academic candidates** (1 opening). CRA has sent a ballot link to CRA members who are eligible to vote. Reminder: voting will close February 22nd at 11:59pm ET.

CRA hosts two key events every February: (1) the annual **Leadership Summit** (LS) of CEOs, presidents, executive directors, and other senior leadership to discuss issues of common concern for the computing research community and (2) the CRA February Board meeting. The purpose of this CRA Update is to share the plans for these two meetings, and to offer you the **opportunity** to provide any thoughts/comments/questions on the **Leadership Summit meeting agenda** and/or the **CRA Board meeting agenda** (as requested at the CRA Conference in Snowbird last July).

The Leadership Summit this year will be Thursday, Feb. 23rd (1-4pm). Topics on the LS agenda this year are:

- Society Roundtable, where each professional society in attendance will share 2-3 things that are “top of mind” for them this year;
- Research Security, with guest speaker: Rebecca Keiser, Chief of Research Security Strategy and Policy, NSF;
- Research Integrity, with an update from a CRA-led committee on this topic (the **committee membership** is large, to ensure voices are heard across the computing research community);
- Boards and Diversity, with guest speaker: Khanh Vu, CEO and Executive Director of the Society of Asian Scientists and Engineers; and
- Computing Research Globally, to discuss/brainstorm how organizations like CRA might collaborate around the globe.

Leadership Summit attendees also have an optional opportunity for (1) lunch on Thursday with attendees at the co-located CRA-I/CCC/CRA-WP **Accessible Technology for All Workshop** and (2) to attend the February CRA Board meeting. Since leaders of CRA’s Affiliated Professional Societies (**AAAI, ACM, CS-Can/Info-Can, IEEE-CS, SIAM, and USENIX**) often stay for CRA’s Board dinner after the LS, **CRA’s Executive Committee** sets relevant/interesting Board meeting agenda topics that evening.

At 5pm (on Thursday, Feb. 23rd), the February CRA Board meeting will begin (and will end Friday, Feb. 24th, at 3pm). The CRA Board Chair (Nancy Amato, UIUC) will “Call” the Board meeting “to Order” and then introduce Margaret Martonosi, NSF’s Assistant Director for CISE, who will present “The View from NSF”. After Q&A with Dr. Martonosi, the Board and LS attendees in attendance will have a networking dinner.

At 7:30pm, the CRA Board meeting will reconvene with introductions, including introductions of new Board members (Alan Edelman, MIT [SIAM rep], Raquel Hill, Spelman College, Eunice Santos, UIUC [Deans Group rep], Amanda Stent, Colby College [CRA-WP rep], and Dezhen Song, Texas A&M) and new CRA staff members (Lauren Lashlee [CRA-WP], Eniola Korede Idowu [CERP], Cali Jacobs [CERP], and Ama Nyame-Mensah [CERP]) since the last CRA Board meeting. The CRA Board Chair (Nancy Amato) and CRA Executive Director (Tracy Camp) will then provide appropriate remarks/updates that are relevant to CRA Board members.

Three different groups will then “tee up” topics for a longer Board meeting discussion the next day, which gives the Board members the opportunity to think about the topic and provide valuable input. For the February Board meeting, the following three topics will be discussed at the Board meeting:

- CRA-I Update / Discussion: This topic will be led by CRA Board Member Ben Zorn (Microsoft), Co-Chair of CRA-I, and will include discussion on where CRA-I should focus in the near term and plans to be self-sustaining.

## CRA Update (*continued*)

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- Engaging MSIs: This topic will be led by Board members Raquel Hill (Spelman College) and Nancy Amato (UIUC) and will include discussion on how CRA can be more inclusive, in a way that is both mutually beneficial and respectful.
- Communications: This topic will be led by [CRA's Communications Working Group](#), and will include discussion on how Board members use communications in their organization and how CRA can/should work with partner organizations.

The last Board agenda item scheduled on Thursday, Feb. 23rd, is an update by Government Affairs, which will be provided by Brian Mosley (Senior Policy Analyst at CRA). CRA Board Chair (Nancy Amato) and CRA Executive Director (Tracy Camp) will then host an orientation for new CRA Board members.

On Friday, Feb. 24th, the CRA Board meeting will be called to order at 8:15am. The CRA Board Secretary (Ran Libeskind-Hadas, Claremont-McKenna) will request approval of the July 2022 Board Meeting Minutes, and then the CRA Executive Director (Tracy Camp) will present proposed changes to the CRA staff's leadership team. The Board members will then be divided into three groups and will rotate every 30 minutes among the three breakout sessions (on the three topics described previously).

The Board members will then return for a discussion on Government Affairs, led by Stephanie Forrest (Arizona State) who is a CRA Board member and Chair of the Government Affairs Committee. The Board meeting will also hear short updates, plans, and timeline from several of [CRA committees/working groups](#); select recipients of two [CRA awards](#) (A. Nico Habermann and Distinguished Service); consider whether to move forward on updating/creating new CRA documents; and hear thoughts from retiring CRA Board members.

Other CRA business to occur at the CRA Board meeting includes the following. First, the CRA Board Treasurer (James Allan, UMass) will present an update on CRA's financial picture and propose a budget for fiscal year 2024 that the Board members will discuss/approve. Second, the CRA Board Officers (Chair, Vice Chair, Treasurer, and Secretary), who serve 2-year terms, will be elected.

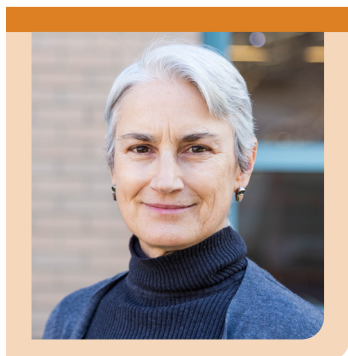
We hope this CRA Update provides you with the type of CRA Board meeting details requested at the CRA Conference last July. If you have any questions/comments about the agenda topics for the February 2023 meeting, please [submit](#) them. There is also a box on the form for you to suggest agenda topics that the CRA Board might consider for the July 2023 meeting. We look forward to hearing from you!

# Nanette Veilleux, William Wang, and Yi-Chieh (Jessica) Wu Receive the 2023 CRA-E Undergraduate Research Faculty Mentoring Award



The **Education Committee of the Computing Research Association** (CRA-E) is proud to announce three recipients of the 2023 **CRA-E Undergraduate Research Faculty Mentoring Award**: Nanette Veilleux from Simmons University, William Wang from University of California, Santa Barbara, and Yi-Chieh (Jessica) Wu from Harvey Mudd College.

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.



**Nanette Veilleux**

Nanette Veilleux is a professor in the Computer Science and Informatics department at Simmons University. Her research interests include primary research in computational models of speech, as well as investigations of pedagogical methods in STEM education. She has received multiple awards and honors, including Dean's Award for Excellence in Teaching, Fulbright U.S. Scholar Award and many others. She currently serves as a principal investigator on one collaborative NSF funded grant.

Veilleux has mentored over 450 undergraduate students at Simmons. Among those, 15 mentored students entered graduate research programs at Rice University, Northeastern University, Boston University, Brandeis, Dartmouth and London School of Economics and Political Science among others. She advises research projects for students who are interested in graduate school,

helps students who want to enter the workforce to find jobs, and keeps in touch with Simmons alumni, all while continuing to inspire new undergraduates to pursue Computer Science. She engages with her students as people, not just as students, and works to understand their unique strengths, motivations, and challenges. Veilleux reaches beyond the classroom to connect her students to projects that will broaden their interests and experiences. She has been tireless in her efforts to recruit and retain women in the field of Computer Science, going out of her way to expose students to subject matter they may not have previously considered. Her passion for her teaching and her research has had a real impact across students and faculty at Simmons.



**William Wang**

William Wang is an Associate Professor at the Computer Science Department at UC Santa Barbara (UCSB). He is also the Mellichamp Chair in Artificial Intelligence and Designs and Director of UCSB's Center for Responsible Machine Learning. He co-directs the campus academic initiative on Mind and Machine Intelligence and the Natural Language Processing group. Since his arrival at UCSB in 2016, he has received many prestigious national and international awards, including the 2021 NSF CAREER Award, 2020 IEEE Intelligent Systems' AI's 10 to Watch, 2019 CVPR Best Student Paper Award, 2018 DARPA Young Faculty Award, and more than 10 faculty awards from Google, Amazon, Facebook, Intel, JP Morgan, Adobe, and IBM.

Wang has mentored over 60 undergraduate students at UCSB, including 13 female and under-represented students. Among those, 32 mentored students entered a graduate research program in computing, and 12 were enrolled into top Ph.D. programs at Carnegie Mellon, UIUC, Duke, ETH, Michigan, UPenn, UCSB, and USC. His undergraduate students have published 23 top conference papers, and among those, four undergraduate student, first-authored papers have independently reached 100+ citations in three years; one was included in the graduate curriculum at Stanford and Princeton. His undergraduate students have received major awards, including two Chancellor's Awards for Excellence in Undergraduate Research, three CRA Outstanding Undergraduate Researcher Award finalists and two honorable mentions, an NSF Graduate Fellowship in Machine Learning, a Siebel Fellowship, a Google Lime Scholarship, and a Tirrell Award for Distinction in Undergraduate Research.

## CRA-E Undergraduate Research Faculty Mentoring Award *(continued)*

Yi-Chieh (Jessica) Wu is an Associate Professor of Computer Science at Harvey Mudd College (HMC). Her research develops and applies computational and mathematical models to study evolutionary biology. Currently, she focuses on reconstructing gene histories



***Yi-Chieh (Jessica) Wu***

across multiple species, with the goal of understanding differences within and across species, particularly in how genes form and function. She is the recipient of the prestigious 2018 NSF Faculty Early Career Development grant: "CAREER: Algorithms for Gene Family Evolution with Gene Duplication, Loss, and Coalescence". Within HMC and her department, Wu stands out as an exceptionally productive scholar in terms of both the impact of her work and also her ability to meaningfully involve undergraduates in her research.

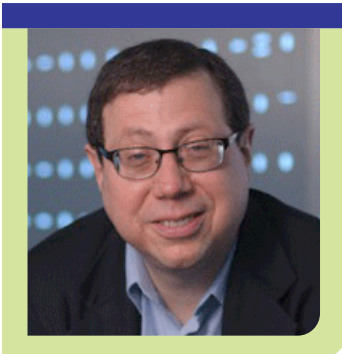
Wu has consistently provided students with high-quality, high-impact research experiences. She has mentored 29 undergraduate research students since joining the Harvey Mudd faculty in 2014, 28 of whom have already graduated and 10 of whom have gone on to PhD programs at schools including MIT, UC Berkeley, University of Washington, and Penn, among others. A total of 18 students were co-authors on nine distinct papers, some of which appear in the top

venues in computational biology. Wu's passion for undergraduate research mentoring extends beyond her own research program by empowering other faculty to become better undergraduate research mentors. She has served as faculty mentoring coordinator for the CS department and currently serves as Director of the HMC Postdoctoral Program in Interdisciplinary Computation (PIC). The PIC program provides postdoctoral scholars with an opportunity to pursue in-depth research and novel pedagogical methods while gaining the experience and preparation necessary for teaching, conducting research with undergraduate students, and promoting diversity and inclusion at a small liberal arts college.

The 2023 selection committee includes Monica Anderson (University of Alabama), Gary Holness (Clark University), Tijana Milenkovic (University of Notre Dame) and Denys Poshyvanyk (Chair, William & Mary).

# CRA Welcomes Two New CRA Board Members

CRA would like to welcome two new members to its Board of Directors: Alan Edelman (MIT) and Dezhen Song (Texas A&M University). Edelman is the new SIAM Representative on the CRA Board replacing Eric de Sturler (who's term as the SIAM Representative ended in 2022). Song replaces Ayanna Howard who has ended her term early due to new service appointments in 2022 (e.g., the [National Artificial Intelligence Advisory Committee](#)). CRA thanks both de Sturler and Howard for their service and contributions on the CRA Board.



**Alan Edelman**

Alan Edelman considers himself to be a pure mathematician and an applied computer scientist. He has consulted for Pixar, IBM, Microsoft, and Thinking Machines, he also co-founded JuliaHub and Interactive Supercomputing. Edelman has won many prestigious prizes including a Gordon Bell Prize, Householder Award, IEEE Fernbach Award, Charles Babbage Award and was tenth in the nation in the USA Math Olympiad when he was in high school. He is a fellow of ACM, SIAM, IEEE, and AMS. Most of all he loves the interaction of mathematics and computation.



**Dezhen Song**

Dezhen Song is a Professor and Associate Department Head with the Department of Computer Science and Engineering at Texas A&M University, College Station, Texas. Song received his Ph.D. in 2004 from the University of California, Berkeley and his MS and BS from Zhejiang University in 1995 and 1998, respectively. Song's primary research areas are robot perception, networked robots, visual navigation, automation, and stochastic modeling. He has served as Associate Editor (AE) and Senior Editor for multiple journals including IEEE Transactions on Robotics (T-RO) (AE, 2008-2012), IEEE Transactions on Automation Science and Engineering (T-ASE) (AE, 2010-2014), and IEEE Robotics and Automation Letters (RA-L) (SE, 2017-2020). Song is a multimedia Editor for Springer Handbook of Robotics. His research has resulted in two books and more than 130 refereed publications. Song received an NSF Faculty Early Career Development (CAREER) Award in 2007, Kayamori Best Paper Award of the 2005 IEEE

International Conference on Robotics and Automation, the 2022 Best Paper Award of the LCT 2022 Affiliated Conference, first place in the GM/SAE autonomous driving dynamic competition in 2021, and an Amazon Research Award in 2020.

# CRA-I Computing Research in Industry Roundtable

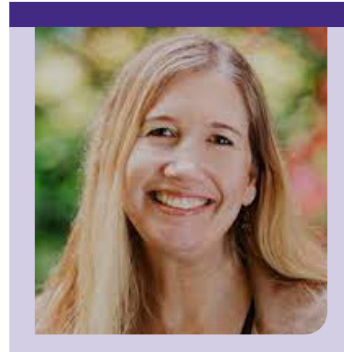
*By Helen Wright, CRA-I Senior Program Associate*



**Lisa Amini, Director of IBM Research Cambridge**



**Ben Carterette, Senior Research Manager at Spotify**



**Jaime Teevan, Chief Scientist and Technical Fellow at Microsoft**



**Manuela Veloso, Head of J.P. Morgan Chase AI Research**

**Computing Research Association - Industry** (CRA-I) held a roundtable in November organized by Jaime Teevan (Microsoft) and Ben Zorn (Microsoft) on **Computing Research in Industry**, which was based on the very successful and well attended session of the same name at the CRA Conference at Snowbird 2022. The roundtable was moderated by Fatma Özcan (Google) and the speakers were Lisa Amini (IBM Research Cambridge), Ben Carterette (Spotify), Jaime Teevan (Microsoft), and Manuela Veloso (J.P. Morgan Chase AI Research).

One of the interesting questions that Özcan asked is how each company thinks of problems and how they are selected. As in, are they top down or bottom up?

Teevan described Microsoft Research as supporting bottom-up research, driven by the creativity and innovation of each of its researchers and labs. Questions such as “what does the world want to know, what does the literature suggest, and what is interesting?” The impact driven research that Microsoft also does, as Teevan explained, tends to be more top down and driven to directly address the challenges.

Amini said at IBM individual researchers are always also bringing forward ideas, hopefully ideas that could drive an entire new field, new line of research, and/ or big efforts. Sometimes they are smaller. It can be something that needs to incubate for a while. As research matures, Amini said they often work with the product groups to transfer the new technology and collaboratively refine.

Carterette mentioned that Spotify gets their priorities top down. “Leadership informs teams what the priorities are for the company, but then within those priorities we’re free to find what we want to work on and where we want to have impact,” he said, adding that research teams work closely with product teams for the entire lifecycle of a research question.

Veloso and her team initiate their own projects that are motivated by the company’s goals. Once they discover something, they can help the company refine their business practices and directions.

It is clear that all researchers enjoy applying their creativity to new problems and these companies whether top down or bottom up allow them to do just that. Learn more and see [the full recording from the roundtable here](#).

# Undergraduate and Graduate Students Report on Career Values



By Evelyn Yarzebinski, CERP Senior Research Associate

## Current Students' Highest-rated Career Values

Undergraduate Students	Graduate Students
1. Spend a lot of time with my family and friends	1. Work collaboratively
2. Have a flexible work schedule	2. Spend a lot of time with my family and friends
3. Help others	3. Have a flexible work schedule
4. Make a lot of money	4. Help others
5. Build a strong professional network	5. Have a social impact

Many factors influence how individuals make career-related decisions. What are some of the aspects of a career that are most important to undergraduate and graduate students? CERP summarized the results of the Fall 2021 Data Buddies Survey (DBS) for Undergraduates and Graduates to understand how these two groups report their personal career values. A total of 9,428 undergraduate students and 2,690 graduate students provided responses to survey questions about career values. CERP averaged respondents' ratings and pulled the five items with the highest average for each student type.

Overall, undergraduate and graduate students indicated that they consider it important that their career allows them to spend a lot of time with their family and friends, have a flexible work schedule, and help others. Each student group also demonstrated unique career values: undergraduates indicated they viewed making a lot of money and building a strong professional network as important to their career, while graduate students indicated it was important to work collaboratively and have a social impact.

While individual factors and circumstances may influence the degree to which someone considers a given item important to their career, these results can provide a useful window to understand students' general motivations. Individuals who regularly engage with students such as mentors, advisors, or lecturers may consider these differences in student groups when providing advice or perspectives.

### Notes:

Survey respondents were presented with the prompt: "How important to you is it that your career allows you to do each of the following?" and were asked to provide their answer on a scale of Not important - Extremely important for the items "Make a lot of money", "Work independently", "Work collaboratively", "Spend a lot of time with my family and friends", "Have a social impact", "Be a role model", "Become well-known in my field", "Help others", and "Build a strong professional network"

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](#). Check out CERP's activities and find out how to engage on [CERP's website](#).

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# CRA-E's Undergraduate Research Highlights: Undergraduate at the Intersection of Computing and Biology - research uncovering associations in cell data



**CRA-E**

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CRA-E's "Undergraduate Research Highlights" series showcases outstanding research done by undergraduate students at universities and colleges across North America. Each article features the story of a successful undergraduate researcher and offers personal insights into their experiences with finding an advisor, undertaking new research projects, and discovering how research can impact their personal and professional future. It is one of a number of CRA-E's activities that foster and recognize talented computing researchers with the goal of increasing the research pipeline, promoting graduate education, and advocating research-based careers.

In addition to helping students understand the process of getting involved in research, the articles also serve as a venue for students to pass along advice to others who aspire to become involved in research themselves. Students selected for the research highlights include those receiving recognition in the [CRA Outstanding Undergraduate Researcher Award](#) competition. This series is written and edited by [CRA-E Graduate Fellows](#).

## **Undergraduate at the Intersection of Computing and Biology: Research Uncovering Associations in Cell Data**

### **Tiana Fitzgerald, B.A. in Computer Science, minor in Statistics and Machine Learning, Princeton University**

This Q&A highlight features Tiana Fitzgerald, an Honorable Mention in the [2022 CRA Outstanding Undergraduate Researchers award program](#). Tiana graduated from Princeton University and is now an Engineering Analyst at Goldman Sachs. This interview has been edited for length and clarity.

“Everyone starts  
somewhere and we all  
have the capacity to learn  
even beyond what we  
think we have the  
bandwidth for”

TIANA FITZGERALD



**CRA-E**

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## Research Highlights *(continued)*

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### **How did you find your research opportunity and hone in on a project?**

I got lucky! I shared with my family that I planned to look for research opportunities, and my uncle got me in touch with an old colleague of his who teaches at another university. This colleague then introduced me to **Professor Barbara Engelhardt**. I had originally hoped to pursue opportunities in biochemistry, but taking a Computer Science (CS) course in my freshman year of college changed my interests. Prof. Engelhardt's research was at the intersection of CS and biology. I did some research on projects her lab was working on and came to her with an idea of what directions I would like to pursue if she had anything available. Prof. Engelhardt is full of ideas, so it didn't take long for her to think of something I could work on. She was kind enough to offer me a job as a research assistant in her lab my sophomore year. Once she introduced me to grad student **Andy Jones**, the project took off.

### **Can you tell us about your project?**

We wanted to develop a statistical modeling approach that would capture associations in high-dimensional data by producing a low-dimensional representation. In other words, the model should help us recognize interesting features in complex data by creating a simplified representation.

Each cell in our bodies contains information that determines every aspect of how we look and operate. The study of this information has led to breakthroughs in the detection, treatment, and prevention of diseases. Advanced technologies now produce data at the individual-cell level. This data is complex and difficult for traditional approaches to handle. We sought to develop a solution that would illuminate interesting associations in these complex new datasets to contribute to the advancement of the field.

Our statistical model handles the complexity of new datasets and produces representations that are easier to interpret. The model can illuminate important associations in data, such as trends in gene expression among cells. A **paper** detailing this work was recently published in BMC Bioinformatics.

### **What challenges did you encounter when first getting started in research?**

Prof. Engelhardt's research was advanced for the level of knowledge I had in statistics, machine learning, and CS in general, so I felt a bit out of my depth to start. I learned to start from the ground up and build a foundation for my knowledge when beginning a difficult project. I began reading papers that were relevant to the problem. Then I attempted to implement simpler versions of the model we had in mind. Over time, I gained confidence and was able to build more complex models.

### **What were some of your favorite aspects of research?**

Conducting research allowed me to dive into new topics rather than simply scratch the surface. This project opened my eyes to a lot of concepts in the world of biology, machine learning, and statistics all at once. I learned that everyone starts somewhere and we all have the capacity to learn beyond what we think we have the bandwidth for.

### **How has participating in research shaped your professional path?**

I was wary of majoring in CS. I assumed that everyone had been coding since middle school, and I would never be able to catch up. Participating in research taught me that I actually do have a place in this field and showed me what I was capable of learning and achieving.

### **Do you have any advice for other students looking to get into research?**

Do it! Ask upperclassmen with research experience if they would recommend working with specific professors. Ask professors whose classes you loved if they have any opportunities. Especially if you are interested in pursuing academia, undergrad research is a great opportunity to get a taste of what research in academia looks like.

– Edited by Nadia Ady and Yasra Chandio

# Building Resilience to Climate Driven Extreme Events with Computing Innovations Report Released by the CCC



*By Cat Gill, CCC Program Associate*

Computing Community Consortium (CCC) has submitted a community report to the National Science Foundation (NSF) for a new Convergence Accelerator track on the topic of “Building Resilience to Climate Driven Extreme Events with Computing Innovations”.

The NSF’s **Convergence Accelerator program**, which was launched in 2019, aims to bring together researchers from diverse disciplines to collaborate on and expedite solutions to outstanding societal problems. Every year the Convergence Accelerator program accepts proposals from the community to identify Convergence Accelerator tracks for the next year. The NSF then funds workshops on some of these research tracks to allow these ideas to be fleshed out among researchers from various backgrounds. CCC was selected to run a community workshop based on a proposal to NSF.

In October of 2022, CCC held an in-person workshop on the topic of Climate Resiliency in Denver, Colorado. During this workshop, participants discussed the potential for computing innovations in a subset of climate impact areas which were defined in a 2021 CCC white paper titled, **Computing Research for the Climate Crisis**. These climate impact areas included: Energy, Environmental Justice, Transportation, Infrastructure, and Agriculture. This workshop helped to inform our final report to the NSF and also set the stage for the follow-up virtual workshop that was held in early November of 2022.

In November, CCC held a virtual workshop to engage with the broader community, expand upon the findings from the first workshop, and discuss additional considerations to include in the final report. **The community report can be found here.**

# Fostering Responsible Computing Research White Paper Released



*By Haley Griffin, CCC Program Associate*

The National Academies (NASEM) recognized the need for computing researchers in academia, industry, and government to consider the ethical and societal impacts of their work. Thus, the NASEM Computer Science and Telecommunications Board (CSTB) formed a study committee which consisted of researchers with expertise across many areas of computer science and engineering, information science, computing technology development, social sciences, philosophy, and law, to work on a consensus study: **Responsible Computing Research: Ethics and Governance of Computing Research and its Applications**. The result of the study is a National Academies report published late last year: **Fostering Responsible Computing Research: Foundations and Practices**.

Recently, Computing Community Consortium (CCC) released a white paper, “**Fostering Responsible Computing Research Report Recommendations for Computing Research Institutions: Actionable Steps**,” which outlines the conclusions of the report, and presents a few community-generated ideas about implementing its findings at computing institutions. It is crucial that the computing community takes the findings of the report seriously, and takes immediate steps to compute more ethically and sustainably. Taking these intentional steps does not require computing researchers to become experts in ethics nor social and behavioral sciences. The focus should be on developing fundamental knowledge of and appreciation for responsible computing methods and approaches in the talent pool of students and researchers, which will require significant adjustments to the status quo.

The paper also describes CRA’s recently formed Socially Responsible Computing Working Group, which will advise the CRA Board on research ethics procedures, best practices for calls for papers and manuscript review, and sustainability issues in computing. If you have any questions about the Working Group or want to learn more, you can email the co-chairs **Ran Libeskind-Hadas** or **Ellen Zegura**.

# Congratulations to the New 2023 Class of IEEE Elevated Fellows

*By Maddy Hunter, CCC Program Associate*

The Institute of Electrical and Electronics Engineers (IEEE) just announced their **2023 class of Elevated Fellows**. Among them are members of the community with past affiliations and/or involvement with Computing Research Association and Computing Community Consortium activities.

- **Fred Chong** (Speaker at CCC Workshop “**Next Steps in Quantum Computing: Computer Science’s Role**”)
- **Aaron Dollar** (Contributor to the 2016 update to the **Roadmap for US Robotics**)
- **Juan Gilbert** (2009 CIFellow Mentor, also participated in several CRA and CRA-WP events)
- **Yoshi Kohno** (Presenter **Computer Science: Past, Present and Future**)
- **Jana Kosecka** (contributor to 2009 and 2020 update to the **Roadmap for US Robotics** and author of white paper “**Next Generation Robotics**”)
- **Hanspeter Pfister** (Organizer for **Brain Science and Computer Science workshop** and 2009 CIFellows mentor)
- **Moinuddin Qureshi** (Participant in CCC Workshop “**Next Steps in Quantum Computing: Computer Science’s Role**” and **Robotic Materials** workshop participant and CIFellows 2020 Mentor)
- **Eunice Santos** Chair of CRA Deans Group and CRA Board Member

IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary accomplishments resulted in important contributions to one or more of the IEEE-designated fields. The full list of the 2023 class of newly elevated Fellows is available [here](#). Congratulations to all!

Learn more about the award and how to nominate members of the community [here](#).



# Expanding the Pipeline: Roadmap of CISE's Efforts to Broaden Participation in Computing Through the Years



**CRA-WP**

Computing Research Association  
Widening Participation

*By Jeff Forbes, Allyson Kennedy, Margaret Martonosi, and Fernanda Pembleton*

Since the 1970s, the U.S. National Science Foundation (NSF) has established programs that focus on increasing the representation of women, Blacks and African Americans, Hispanics and Latinos, American Indians, Alaska Natives, Native Hawaiians, Other Pacific Islanders, and persons with disabilities in the field through outreach and recruitment efforts. Some of the earlier NSF investments to address broadening participation included programs like Women in Science, Minority Graduate Fellowships, and the Program for Persons with Disabilities, which explicitly focused on broadening participation and paved the way for a modern portfolio of programs that considers the diversity of communities served by NSF-funded work.

By the 2000s, the focus of BPC efforts began to shift from simply increasing representation to also addressing the systemic issues and barriers that contribute to underrepresentation. These efforts included research on the experiences of underrepresented groups in computing and the development of interventions to promote a more inclusive culture in computing education and the workforce. In 2012, the CISE Advisory Committee published the CISE Strategic Plan for Broadening Participation noting that:

*It will take more than good intentions or business as usual, however, to reverse longstanding underrepresentation.  
It will take committed, focused, and sustained efforts on the part of many in the computing community.*

In this article, we present the progress made in Broadening Participation in Computing (BPC) and call upon the entire computing community to take on the important goal of addressing underrepresentation in computing disciplines.

## Early roots of the CISE Broadening Participation in Computing efforts

By the early 2000s, information technology had become central to US economic growth and scientific advancement; however, U.S. universities and colleges were not producing enough computing-related degrees to meet the workforce demand. Therefore, CISE created the Broadening Participation in Computing (BPC) program in 2006 in an effort to increase the number of U.S. citizens and permanent residents earning postsecondary degrees in the computing disciplines, with a focus on those students from groups underrepresented in computing. The program supported *BPC Alliances*, an approach rooted in collective impact with the goal of bringing together organizations across multiple sectors to address the challenges of specific communities.

Sixteen years after the launch of the BPC Alliances, these organizations have become national hubs for broadening participation resources, which have transformed and broadened the field of computing across many underserved populations.

The BPC Alliance program has built a large, national community of researchers and practitioners who actively collaborate on interventions that address underrepresentation in K-12, post-secondary, and faculty ranks. Currently, CISE supports 12 BPC Alliances, each of which in turn serve hundreds or thousands of people on numerous campuses or other sites (Table 1). Some BPC efforts (e.g. the Computing Alliance for Hispanic-Serving Institutions, or CAHSI) have grown into NSF INCLUDES Alliances, building the infrastructure needed for long-term national impacts and potential for greater benefits at-scale. In addition, the BPC Program supports 14 Demonstration Projects, which are smaller scale BPC interventions with potential to grow and expand into the broader BPC Alliance community. These efforts have contributed to a growing knowledge base on broadening participation in computing (e.g., [BPC Literature Database](#)).



## Expanding the Pipeline *(continued)*

Alliance name	Mission
AccessComputing (Alliance for Access to Computing Careers)	Increase the participation of people with disabilities in computing fields
CAHSI (Computing Alliance of Hispanic-Serving Institutions)	Foster a community committed to accelerating the progress of Hispanics in computing
CRA-WP (Computing Research Association’s Committee on Widening Participation in Computing Research)	Widen the participation of individuals from populations underrepresented in computing research
CSforALL	Make high-quality computer science an integral part of the educational experience of all K-12 students and teachers
DAPPIC (Data Alliance on Persistence and Perception in Computing)	Use data to support institutional efforts to broaden participation in undergraduate computing education
ECEP (Expanding Computing Education Pathways)	Increase the number and diversity of students in computing pathways by supporting state-level computing education reforms
iAAMCS (Institute for African-American Mentoring in Computing Sciences)	Increase the number of African-Americans obtaining graduate computing degrees
LEAP (Diversifying Leadership in the Professoriate)	Diversify future leadership in the computing professoriate at research universities
NCWIT (National Center for Women & Information Technology)	Ensure the perspectives and contributions of women are meaningfully represented at all levels of computing.
REAL-CS (Researching Equity and Antiracist Learning in CS)	Build capacity for the scaling and sustaining of equity in high school computer science education
Socially Responsible Computing: Promoting Latinx student retention via community engagement in early CS courses	Integrate socially responsible computing curriculum in early undergraduate computing experiences
STARS Computing Corps	Shift experiences in college computing departments to be more equitable and inclusive

**Table 1. Current CISE BPC Alliances.**

### BPC and CS Education: then and now

CISE has a long history of infusing BPC into its computing education programs to address challenges in maintaining a robust computing research community, including: (i) the lack of computing experiences in K-12 education, (ii) the significant underproduction of post-secondary degrees needed for the computing and computing-related workforce, and (iii) the longstanding underrepresentation of many segments of our population across education and career pathways.

In 2012, CISE initiated the CS 10K Project, an effort to offer high quality CS courses in 10,000 high schools, taught by 10,000 well-trained teachers. This effort built on a partnership with the College Board that developed the Advanced Placement Computer Science Principles (AP CSP) exam and course framework, a new course centered on equity, rigor, and the societal impacts of computing. The launch of the AP CSP in 2017 saw the largest number of test-takers in the College Board’s 50-year history, with tremendous diversity as well. Furthermore, subsequent studies by the College Board have demonstrated that AP CSP students are more likely to major in computing than others, and that the experience has particular “sticking power” for students who identify as female or as Hispanic, where they are over three times more likely to declare a CS major after this exam (Wyatt et al, 2020).



## Expanding the Pipeline *(continued)*

CISE's efforts to broaden participation in high school computer science go beyond AP with the development of the Exploring Computer Science course and professional development model. In partnership with the REAL-CS BPC Alliance, the Chicago Alliance for Equity in Computer Science (CAFÉCS) led the efforts to enact a computer science high school graduation requirement in the Chicago Public School districts, one of the largest in the country (Johnson et al., 2022). Since 2013, the reach of computer science education in Chicago high schools has grown from about a third of high schools and a few thousand students per year to all (over 100) high schools and 20,000 students per year (McGee et al., 2022). CAFÉCS is now supporting and studying students pursuing computer science pathways in high school and in college, infusing culturally responsive materials and techniques into existing CS curricula and professional development. K-12 CS continues to grow in popularity and impact with support from the NSF CSforAll: Research and Research Practitioner Partnership program, which provides teacher PD, curricula, and school and district-level supports to bring computing experiences to all K-12 students.

CISE also seeks to increase the production of post-secondary degrees needed for the computing and computing-related workforce. Over the past 20 years, CISE has supported a range of efforts that are responsive to the trending challenges of higher education with an eye toward the future of computing education pathways. The CISE Pathways to Revitalized Undergraduate Computing Education program, for example, focused on transforming undergraduate computing education on a national scale. The current IUSE: Computing in Undergraduate Education (CUE) program, on the other hand, has shifted to a re-envisioning of undergraduate education through transformative computing degree programs, support for pathways through 2-year institutions, and alignment of the entire community around a common vision.

Further bolstering CISE's vision for the future computing workforce is the new CSGrad4US program, which provides an opportunity for bachelor's degree holders who may be working in industry or other sectors to return to academia and pursue research-based doctoral degrees. CSGrad4US includes both a 1-year mentoring component and subsequent 3-years of doctoral support at the same level as NSF's Graduate Research Fellowship Program. In its inaugural year, 16 fellows participated in a mentoring program for the graduate application process and subsequently enrolled in computing graduate programs across the country. We look forward to scaling this program considerably, and welcome your help in encouraging your former students to apply.

### **Looking forward: Embedding BPC in the computing research community**

While CISE's computing education programs have shown tremendous advancements in addressing underrepresentation in CISE fields, there is still much work to be done. While the number and diversity of high school students taking AP CS exams has increased since the introduction of the AP CSP course, we note the increasing trends appear to have recently stalled. Furthermore, there are substantial gaps in pass rates. The percentages of women, Black, Hispanic/Latino and Indigenous students earning CISE bachelor's degrees remain well below their participation in college, and this gap widens further at the PhD level. The proportion of Assistant Professors at research universities who are women, Black, or Hispanic has not increased substantially in the past decade. Moreover, the abovementioned data and other metrics of BPC do not account for intersectional identities or ability status (Lunn et al, 2021; Blaser & Ladner, 2020).

To address these issues, CISE seeks to go beyond the "business as usual" approach of relying on targeted programs focused specifically on underrepresentation and computing education to do the work of broadening participation in computing. Through the ongoing **CISE BPC Plan Initiative**, CISE calls upon the sustained commitment of the computing research community to ensure the development of a diverse workforce well prepared for careers in computing-related and computationally intensive fields. In particular, the BPC Plan Initiative requires that PIs include meaningful Project BPC plans in proposals submitted to a subset of CISE's research programs.

In the nearly five years since the BPC Plan Initiative was first established, the CISE community has produced increasingly impactful and mature approaches to BPC and has integrated them with research efforts effectively and meaningfully. **BPCNet**, an online portal



## Expanding the Pipeline *(continued)*

developed by the Computing Research Association with support from NSF, offers a wealth of curated resources to help CISE PIs and/or Departments as they write their BPC Plans. BPCNet also offers free consultancy services to further develop, refine, or finalize BPC Plans. Based on <https://bpcnet.org/verified-departmental-bpc-plans/>, there have been 86 departmental BPC plans verified by BPCnet from 80 institutions.

The BPC Initiative complements programs like BPC, CSforAll, CUE, and CSGrad4US by supporting efforts to pilot, implement, evaluate, and disseminate activities designed to broaden participation in computing.

Most importantly, just as noted by our 2012 strategic plan process, the BPC Plan Initiative represents a touchpoint which calls on the **entire CISE community** to commit together to moving the needle on persistent diversity and inclusion challenges in our research and education spaces. While we have invested effort and resources in these programs for decades, we still require the full community's effort in making progress on the challenges and opportunities posed by these issues in our field.

Actively broadening participation in computing to ensure the inclusion of historically underrepresented groups is necessary to achieve an equitable and inclusive society in which all groups have equal access to education and career paths. And while the challenges to ensure this equality continue to evolve, we need to ensure that our priorities and programs align with the needs of the American people.

### References

Peter A. Freeman, W. Richards Adrion, and William Aspray. (2019). *Computing and the National Science Foundation, 1950--2016: Building a Foundation for Modern Computing*. Association for Computing Machinery, New York, NY, USA.

Blaser, B., & Ladner, R. E. (2020). Why is data on disability so hard to collect and understand? In Proceedings from RESPECT '20: The 5th international conference on Research in Equity and Sustained Participation in Engineering, Computing, and Technology.

Code.org, CSTA, & ECEP Alliance (2022). 2022 State of Computer Science Education: Understanding Our National Imperative. Retrieved from <https://advocacy.code.org/stateofcs>

Johnson, M., Wachen, J., & McGee, S. (2022). Building Strength in Chicago: Setting the Local and National Computer Science Agendas. *Journal of Educational Leadership and Policy Studies*, 7. <https://go.southernct.edu/jelps/files/2022-fall-volume-6/4-Johnson.pdf>

McGee, S., Dettori, L., & Rasmussen, A.M. (2022). Impact of the CPS Computer Science Graduation Policy on Student Access and Outcomes [report]. Chicago, IL: The Learning Partnership. <https://doi.org/10.51420/report.2022.4>

Stephanie Lunn, Leila Zahedi, Monique Ross, and Matthew Ohland. (2021). Exploration of Intersectionality and Computer Science Demographics: Understanding the Historical Context of Shifts in Participation. *ACM Trans. Comput. Educ.* 21, 2, Article 10 (June 2021). <https://doi.org/10.1145/3445985>

Jeff Wyatt, Jing Feng, and Maureen Ewing. (2020). AP Computer Science Principles and the STEM and Computer Science Pipelines, Retrieved from <https://apcentral.collegeboard.org/pdf/ap-csp-and-stem-cs-pipelines.pdf?course=ap-computer-scienceprinciples>



## Expanding the Pipeline *(continued)*

### About the Authors

#### Jeff Forbes

Jeff Forbes is the lead Program Director for the Education and Workforce program in the U.S. National Science Foundation's Directorate for Computer and Information Science and Engineering (CISE), managing programs that address the critical and complex issues of education and broadening participation in computing. From 2001 to 2020, Jeff was on the faculty of Duke University where he was an Associate Professor of the Practice of Computer Science.

#### Allyson Kennedy

Allyson Kennedy is a Program Director for education and workforce in the U.S. National Science Foundation's Directorate for Computer and Information Science and Engineering (CISE). In CISE, she evaluates and supports initiatives to make computer science education inclusive for all students. She recently served as an Embassy Science Fellow, where she collaborated with the Thai government and U.S. Embassy to promote science diplomacy and address key issues around STEM education. In addition to her current role as an NSF program officer, her experiences as a high school teacher in the Uthai Thani Province of Thailand and AAAS Science and Technology Policy fellow have honed her skills and knowledge of working across sectors to create inclusive and equitable education pathways.

#### Margaret Martonosi

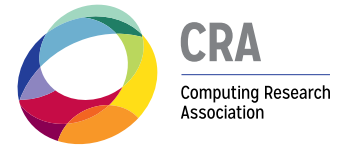
Margaret Martonosi is the U.S. National Science Foundation's (NSF) Assistant Director for Computer and Information Science and Engineering (CISE). With an annual budget of more than \$1B, the CISE directorate at NSF has the mission to uphold the Nation's leadership in scientific discovery and engineering innovation through its support of fundamental research and education in computer and information science and engineering as well as transformative advances in research cyberinfrastructure. While at NSF, Dr. Martonosi is on leave from Princeton University where she is the Hugh Trumbull Adams '35 Professor of Computer Science. Dr. Martonosi is a member of the National Academy of Engineering and the American Academy of Arts and Sciences. She is a Fellow of the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronics Engineers (IEEE).

#### Fernanda Pembleton

Fernanda Pembleton is the communications specialist in the U.S. National Science Foundation's Directorate for Computer and Information Science and Engineering (CISE). In this role, she works directly with the scientific community, industry leaders, academia and government agencies to promote the progress of NSF-funded foundational research and education programs in all areas of computer and information science.



# CRA and CERP Welcome Three New Staff Members



CRA has recently hired **Eniola Idowu** and **Ama Nyame-Mensah** as Research Associates and **Cali Jacobs** as a Program Assistant for the Center for Evaluating the Research Pipeline (CERP).



## Eniola Idowu

Eniola Idowu is a Research Associate for CRA's Center for Evaluating the Research Pipeline (CERP). As part of the CERP team, she conducts and supports the evaluation for a selection of programs primarily focused on broadening participation in computing in higher education. Eniola holds a Bachelor's of Science in Psychology and Master of Public Health in Health Behavior Health Promotion from the University of Arizona. Prior to joining CERP, she worked in the evaluation field within a variety of sectors including research/evaluation firms, academic institutes, and non-profits. Eniola worked as an Evaluation Associate for a research and evaluation firm where she gained experience with designing and implementing a variety of complex evaluation projects addressing behavioral health disparities, state's substance use crises, sexual health education,

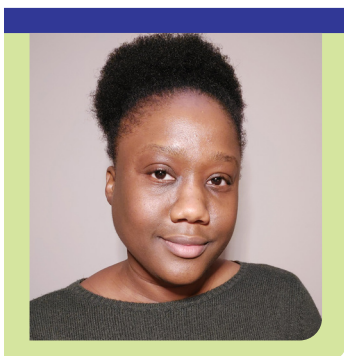
and school-based mental health systems. During her graduate school training, Eniola supported the Office of Curricula Affairs' evaluation in curriculum modification in medical school settings to improve diversity, equity, and inclusion in teaching practices. She is passionate about using a DEI lens in all aspects of research and evaluation to address access, intersectionality, and equity within underserved populations to achieve their educational and wellness goals. In her free time, Eniola enjoys Pilates, reading, listening to music, and journaling.



## Cali Jacobs

Cali Jacobs is a Program Assistant for CRA's Center for Evaluating the Research Pipeline (CERP). In this role, she assists in CERP communications and projects.

Cali holds a Bachelor's degree in sociology with minors in media studies and international studies from Radford University. During her undergraduate career, she worked as a student worker to assist faculty with a variety of research projects. In her free time, she enjoys woodworking, listening to music and podcasts, and reading.



## Ama Nyame-Mensah

Ama Nyame-Mensah recently joined CRA's Center for Evaluating the Research Pipeline (CERP) as a part-time research associate. At CERP, Ama will manage the NSF CISE Research Experiences for Undergraduates (REU) project in collaboration with the rest of the project team.

Ama has considerable experience providing project management and technical (data) leadership to organizations and teams conducting applied and community-focused research and evaluation. In her free time, Ama speaks, writes, and teaches about the ethical and practical use of data and the importance of designing accessible data experiences.

Ama holds a Ph.D. in Social Welfare from the School of Social Policy & Practice at the University of Pennsylvania and degrees in Urban Affairs & Public Policy (Master of Arts) and Economics (Bachelor of Arts) from the University of Delaware.

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**Patty Lopez**, New Mexico State University

## Auburn University

*Department of Computer Science and Software Engineering*

### *Multiple Faculty Positions*

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

Responsibilities include research, graduate student supervision, graduate and undergraduate teaching, and service. A PhD degree in computer science, software engineering, or a closely related field must be completed by the start of appointment. Applicants must have the potential to develop a vigorous externally funded research program and a commitment to teaching.

Applications from candidates with expertise in any area of computer science will be considered. However, our focus areas are **Artificial Intelligence** with emphasis on Machine Learning, Computer Vision, and Natural Language Processing, **Computer Security & Privacy**, and **Software Engineering**. *We welcome applications from women, couples, and those belonging to underrepresented groups in computer science.*

CSSE is home to the Auburn Cyber Research Center (<http://cyber.auburn.edu>), and is affiliated with the McCrary Institute for Cyber and

Critical Infrastructure Security (<http://mccrary.auburn.edu>). The department currently has a diverse and international tenure track, teaching, and research faculty of over thirty, who support a dynamic research enterprise and strong undergraduate and graduate programs (MS in CSSE, MS in Cybersecurity Engineering, MS in Data Science & Engineering, and PhD in CSSE). Current student enrollment is 1400+ undergraduate and 200+ graduate (including 100+ PhD) students. Further information may be found at the department's home page <http://www.eng.auburn.edu/csse>.

CSSE is the highest ranked department in the State of Alabama, ranked fourth among SEC schools, 45th among departments at public universities, and among the top 15% of computer science departments nationwide according to the latest US News and World Report rankings. It was one of the first computer science departments in the country to offer an ABET accredited undergraduate degree in software engineering. Auburn University is one of the nation's premier public land, sea, and space-grant institutions. As a comprehensive Carnegie RI research university, Auburn maintains high levels of research activity as well as high standards for teaching excellence, offering Bachelor's, Master's, Educational Specialist, and Doctor's degrees in agriculture and engineering, the professions, and the arts and sciences. The university is nationally recognized for its commitment to academic excellence, its positive work environment, its student engagement, and its beautiful campus.

Auburn residents enjoy a thriving community, recognized as one of the "best

small towns in America," with moderate climate and easy access to major cities and to beach and mountain recreational facilities. Situated along the rapidly developing I-85 corridor between Atlanta (GA) and Montgomery (AL), the combined Auburn-Opelika-Columbus statistical area has a population of over 500,000, with excellent public school systems and regional medical centers. Several large and medium-sized industries and six other universities are located within driving distance of Auburn, providing job opportunities to faculty spouses. More information on faculty and community life at Auburn may be found at <http://www.auburn.edu/academic/provost/facultyjobs/>.

Applicants should submit a cover letter (including mention of how they can contribute to diverse and inclusive excellence within the department), curriculum vitae, research vision, teaching philosophy, graduate transcripts, and names of three references at <https://www.auburn.edu/academic/provost/postings/33427>.

There is no application deadline. The application review process will begin December 1, 2022 and continue until successful candidates are identified.

Successful candidates must meet eligibility requirements for work in the United States at the time the appointment is scheduled to begin and continue working legally for the term of employment.

Auburn University is understanding of and sensitive to the family needs of faculty, including dual career couples: <https://www.auburn.edu/academic/provost/pdf/guidelines-dual-career-services.pdf>.

*Auburn University is an EEO/Vet/Disability Employer committed to building an inclusive and diverse community.*

## Bradley University

*Department of Computer Science and Information Systems*

Tenure-Track Assistant Professor/Lecturer

The Department of Computer Science and Information Systems (CS&IS) at Bradley University is expanding rapidly and invites applications for multiple tenure-track Assistant Professors/Lecturers to begin in August 2023.

The department currently consists of 14 tenured/tenure-track faculty members. There are BS and MS degree programs in both Computer Science and Computer Information Systems with multiple concentrations.

**For more information and to apply for this position, please click on the link below:**

[https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=df6f93d4-2277-4999-ac63-88a55668ffd3&cclid=9200110706773\\_2&jobId=458218&lang=en\\_US&source=EN](https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=df6f93d4-2277-4999-ac63-88a55668ffd3&cclid=9200110706773_2&jobId=458218&lang=en_US&source=EN)

## Brandeis Computer Science

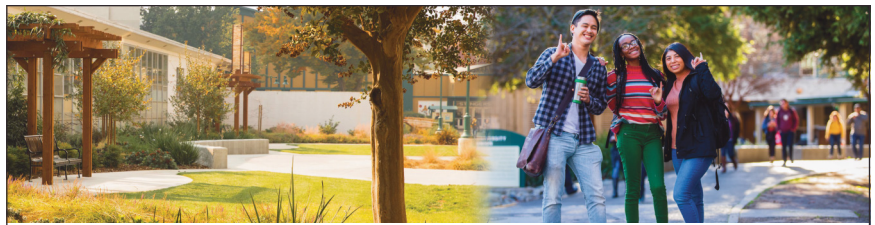
*Full time teaching faculty positions*

The Computer Science Department at Brandeis University invites applications for up to two full-time teaching faculty positions. Faculty rank is open, and will depend on experience and qualifications; both positions are outside the tenure

structure and start in the Fall 2023 semester. The positions will have an initial appointment of up to three years and the potential for renewal.

We seek candidates who are able to teach a wide range of core computer

science courses, as well as occasional upper-level and graduate electives. The successful candidate must be committed to excellence in undergraduate teaching and is expected to participate fully in the academic life of the department, including advising, participating in faculty meetings,



### California State University, Sacramento Department of Computer Science

#### Tenure Track Faculty - Computer Science 3 Positions

Three tenure-track assistant professor positions to begin with the Fall 2023 semester.

Applicants specializing in all areas of computer science will be considered. However, those with knowledge/skill in computer networks, operating systems, OR computer architecture/hardware are especially encouraged to apply as the department has an urgent need to meet student demand in these three 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://apptrkr.com/3583628>**

Screening will begin December 1, 2022, and remain open until filled.

Mandated reporter requirements.

Criminal background check will be required.

Clery Act statistics available.

AA/EEO employer.

supporting undergraduate research and other activities relevant to our teaching mission. Candidates are expected to have strong foundational knowledge in one or more areas of our core curriculum.

A Ph.D. is preferred but not required. Candidates should be able to demonstrate excellence in teaching computer science at the university level. Salary is commensurate with qualifications.

**For more information see:**  
<https://academicjobsonline.org/ajo?joblist---2691-23170>

## Brown University

*Postdoctoral Research Associate in Computational Social Science*

The *Population Studies and Training Center* (PSTC) and the *Data Science Initiative* (DSI) at Brown University invite applications for two year Postdoctoral Research Associates to start on or around July 1, 2023. The initial term of appointment is one year, but reappointment for a second year is expected, subject to good performance. Researchers in this new Computational Social Science Postdoctoral initiative will have a joint appointment among PSTC, DSI and a home social science department. We seek candidates who fit the intellectual missions of PSTC and DSI and who work in any area of demography and data science. Postdoctoral Research Associates are expected to spend the majority of their time on research. They will teach one computational social science course per year (flexible level and topic) in their disciplinary department.

**For full details and to apply, please see Interfolio:** <https://apply.interfolio.com/118922>

## Carnegie Mellon University in Qatar

*Faculty Position in Computer Science*

Carnegie Mellon University in Qatar invites applications for a teaching-track faculty position at the assistant level in the field of Computer Science to begin in Fall 2023.

Candidates must have a Ph.D. in Computer Science or related field, and have an outstanding academic credentials. Exceptional candidates with other areas of expertise are welcome to apply. Besides being excellent educators, candidates are expected to contribute to the Computer Science department through activities such as research, outreach, advising, and/or curriculum development.

**More information can be found in this link and applications can be submitted through Interfolio:**

<https://apply.interfolio.com/119668>

## Carnegie Mellon University (CMU) in Qatar

*Faculty Position in Computer Science*

Carnegie Mellon University in Qatar invites applications for a teaching-track faculty position at the assistant professor level in the field of Computer Science to begin in Fall 2023.

Review of complete applications will commence on November 01, 2022.

More information can be found at and applications can be submitted through Interfolio: <http://apply.interfolio.com/106158>

## 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 a tenure-track faculty position.

This search prioritizes Assistant and Associate Professor candidates in Artificial Intelligence, Machine Learning, Data Science, Privacy and Security, and related areas. 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 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.

## Concordia University

*Full-time Faculty Positions in the Gina Cody School of Engineering and Computer Science, Department of Computer Science and Software Engineering*

The Department of Computer Science and Software Engineering invites applications for several tenure-track and research chair positions.

Tenure-track positions:

- Assistant Professor, Quantum Computing
- Assistant Professor, Innovation in Machine Learning and Artificial Intelligence
- Assistant Professor, Software Engineering

Research Chair positions:

- Canada Research Chair Tier 2 in Computing for the Greater Good
- Gina Cody Research Chair in Computer Science and Software Engineering

**For detailed information about these positions and how to apply, please visit:** <https://www.concordia.ca/ginacody/about/jobs.html>

For more information on the Gina Cody School of Engineering and Computer Science and the Department of Computer Science and Software Engineering, please visit: [www.concordia.ca/ginacody](http://www.concordia.ca/ginacody) and [www.concordia.ca/cse](http://www.concordia.ca/cse).

Concordia University is located on unseeded Indigenous lands. Tiohtià:ke/Montreal, on the traditional lands and waters of the Kanien'kehà:ka Nation, is historically known as a gathering place for many First Nations. Building on the skills of our faculty and the strengths of Indigenous, local, and global partnerships, we set our sights further and more broadly than others and align the quality of learning opportunities to larger trends and substantial challenges facing society.

The Department and University value diversity and strongly encourages applications from all qualified individuals, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification.

## Duke University

*Open Rank Faculty Positions - Biostatistics and Biomedical Informatics*

The Duke University Department of Biostatistics and Bioinformatics invites applications for multiple non tenure-track faculty positions in clinical informatics and biostatistics. Potential areas of research emphasis include health equity, data standardization, data harmonization, innovative clinical trials design, and causal inference. The Department of Biostatistics and Bioinformatics has Masters and PhD programs, as well as opportunities to supervise post-docs and Masters and PhD staff. This position also has the unique opportunity to also be part of the prestigious Duke Clinical

Research Institute (DCRI). Duke and DCRI have an exceptional history in healthcare innovation, and Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation.

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

**All applications should be submitted through:** <https://academicjobsonline.org/ajo/jobs/24066>

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

Duke University is an Affirmative Action/ Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or veteran status. Duke aspires to create a community built on collaboration, innovation, creativity, and belonging. Our collective success depends on the robust exchange of ideas-an exchange that is best when the rich diversity of our perspectives, backgrounds, and experiences flourishes. To achieve this exchange, it is essential that all members of the community feel secure and welcome, that the contributions of all individuals are respected, and that all voices are heard. All members of our community have a responsibility to uphold these values.

## Duke University

### *Open Rank Faculty Position - Biostatistics & Biomedical Informatics*

The Duke University Department of Biostatistics and Bioinformatics invites applications for a career & (non-tenure) track faculty position in biostatistics as part of the Duke Cancer Institute (DCI) Biostatistics Shared Resource working with the Preston Robert Tisch Brain Tumor Center (PRTBTC). The individual in this position will collaborate closely with PRTBTC investigators as part of the research team. Potential areas of research emphasis include innovative pilot, surgical window of opportunity studies and phase

I-III clinical trials designs, analysis of biomarkers, correlative and translational research (pre-clinical studies). Development of major grant applications will be a critical component of this position. The Department of Biostatistics and Bioinformatics has Masters and PhD programs, as well as opportunities to supervise post-docs and Masters and PhD staff. Duke DCI and PRTBTC have an exceptional history in cancer research, and Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation.

Applicants should hold a Ph.D. in Statistics, Biostatistics, or a related field by the date of the start of their appointment. The application package should include a cover letter accompanied by a one-page diversity statement, a curriculum vitae, and a three-page statement of research (organized as one page summary of past research accomplishments and a two-page summary of your future research plans), and 3 letters of recommendation.

**All applications should be submitted through:** <https://academicjobsonline.org/ajo/jobs/23944>

Diversity and Inclusion: Duke University is an Equal Opportunity Affirmative Action Employer. Candidates with backgrounds underrepresented in science are especially encouraged to apply. The diversity statement should address why the candidate believes diversity and inclusion are important with examples from their experiences and plans for

future contributions. More information about the department's diversity, inclusion, and antiracist work can be found at: <https://biostat.duke.edu/about/diversity-and-inclusion>

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## Emory University

*Atlanta, Georgia*

### *Teaching Faculty in Computer Science*

The *Computer Science Department* at Emory University in Atlanta, Georgia, invites applications for Teaching Track Faculty to begin Spring/Fall 2023. Ongoing/renewable appointments will be in the Teaching Track as Assistant Teaching Professor



or Senior Associate Teaching Professor. These regular faculty positions carry full benefits and all governance rights and responsibilities. Please see the Emory College Teaching Track Guidelines: <http://college.emory.edu/faculty/faculty/promotion-teaching-track.html>

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

CS is central to Emory's AI.Humanity initiative <https://aihumanity.emory.edu/> that brings together disciplines from across the university to better serve humankind and society. AI.Humanity exemplifies the remarkable collegial spirit that makes Emory a leader in collaborative interdisciplinary endeavors while advancing knowledge in fundamental and applied domains. At the same time, Emory maintains a strong core curriculum in Computer Science and solicits applications in all areas, including Systems and Theory.

Emory University is highly ranked for outstanding research and education, as well as among America's *Best Employers*

for Women and Best Employers for Diversity. It fosters a culture of excellence, inclusivity, and cooperation. The campus is an integral part of the energetic Atlanta, Georgia, metropolitan area, offering various cultural, social, and recreational opportunities, a mild climate, and unmatched accessibility.

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

**Applications should be submitted to Interfolio using the following link:** <http://apply.interfolio.com/116010/>

Applications should comprise of the following:

- Cover Letter
- C.V.
- Teaching Philosophy and Career Goals Statement
- Evidence of Teaching Excellence
- Diversity Statement - please outline your interests in broadening participation and increasing diversity in computing.
- Three Letters of Recommendation - applicants can provide contact information for recommenders in Interfolio. Recommenders will receive an

email with instructions to directly submit their letters to Interfolio.

Review of applications will begin on December 15, 2022. Full consideration will be given to applications received up to a minimum of 30 days after review begins until the position is filled. Informal inquiries are welcome and invited by email to the department chair: [vss@emory.edu](mailto:vss@emory.edu)

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

## Florida State University

*Tenure-Track Assistant Professor Position in Data Science and AI, Department of Computer Science*

The Department of Computer Science at the Florida State University invites applications for a tenure-track Assistant Professor position to begin in August 2023. The position is 9-month, full-time, tenure-track, and benefits eligible. We are seeking strong applied and theoretical applicants in the broad areas of Data Science and AI. The focus areas include Data Science, Data Analytics, Machine Learning, Artificial Intelligence, Senior Systems and Networks, Mobile Computing, Databases, High Performance Computing, and Computer Graphics and Visualization. Outstanding applicants in other areas will also be considered.

Applicants should hold a Doctoral degree from an accredited institution in the

field of Computer Science or closely related field at the time of appointment and have a demonstrated record of academic accomplishments.

The department currently has 25 tenure-track and 7 specialized faculty members and offers degrees at the BS, MS, and PhD levels. Our annual research expenditure has been growing substantially in the past several years and was over four million dollars in the 2022 fiscal year. The department is an NSA/DHS Center of Academic Excellence in Cyber Defense Education (CAE/CDE) and Research (CAE-R). FSU is classified among R1: Doctoral Universities – Very high research and a top 20 national public university. Its primary role is to serve as a center for advanced graduate and professional studies while emphasizing research and providing excellence in undergraduate education. Further information can be found at:

<https://www.cs.fsu.edu/recruit>

Screening will begin December 15, 2022 and will continue until the positions are filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of three references at: [www.jobs.fsu.edu](http://www.jobs.fsu.edu), select “Browse Job Openings,” and search for Job ID 53307. Questions can be e-mailed to Prof. Weikuan Yu, Faculty Search Committee Chair, [recruitment@cs.fsu.edu](mailto:recruitment@cs.fsu.edu).

FSU is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer. FSU’s Equal Opportunity Statement can be viewed at: [http://www.hr.fsu.edu/PDF/Publications/diversity/EEO\\_Statement.pdf](http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf)

Individuals from traditionally underrepresented groups are encouraged to apply.

## Florida State University

*Tenure-Track Assistant Professor  
Position in Interdisciplinary Computing,  
Department of Computer Science*

The Department of Computer Science at the Florida State University invites applications for a tenure-track Assistant Professor position to begin in August 2023. The position is 9-month, full-time, tenure-track, and benefits eligible. We are seeking strong applicants in the broad areas of Interdisciplinary Computing. The focus areas include Human Computer Interactions, Computer Vision, Computational Biology and Bioinformatics, High Performance Computing, Machine Learning and AI for Science and Engineering, and Computer Graphics and Visualization. Outstanding applicants in other areas will also be considered.

Applicants should hold a Doctoral degree from an accredited institution in the field of Computer Science or closely related field at the time of appointment and have a demonstrated record of academic accomplishments.

The department currently has 25 tenure-track and 7 specialized faculty members and offers degrees at the BS, MS, and PhD levels. Our annual research expenditure has been growing substantially in the past several years and was over four million dollars in the 2022 fiscal year. The department is an NSA/DHS Center of

Academic Excellence in Cyber Defense Education (CAE/CDE) and Research (CAE-R). FSU is classified among R1: Doctoral Universities – Very high research and a top 20 national public university. Its primary role is to serve as a center for advanced graduate and professional studies while emphasizing research and providing excellence in undergraduate education. Further information can be found at:

<https://www.cs.fsu.edu/recruit>

Screening will begin December 15, 2022 and will continue until the positions are filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of three references at: [www.jobs.fsu.edu](http://www.jobs.fsu.edu), select “Browse Job Openings,” and search for Job ID 53310. Questions can be e-mailed to Prof. Weikuan Yu, Faculty Search Committee Chair, [recruitment@cs.fsu.edu](mailto:recruitment@cs.fsu.edu).

FSU is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer. FSU’s Equal Opportunity Statement can be viewed at: [http://www.hr.fsu.edu/PDF/Publications/diversity/EEO\\_Statement.pdf](http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf)

Individuals from traditionally underrepresented groups are encouraged to apply.

## Florida State University

*Tenure-Track Assistant Professor Position  
in Computer Systems, Department of  
Computer Science*

The Department of Computer Science at the Florida State University invites

applications for a tenure-track Assistant Professor position to begin in August 2023. The position is 9-month, full-time, tenure-track, and benefits eligible. We are seeking strong systems design and implementation applicants in the broad areas of Computer Systems. The focus areas include Compiler and Programming Languages, Emerging Processor and Memory Architecture, High-Performance Distributed and Cloud Systems, Systems Security, Quantum Computing, and Full-Stack Co-Designed Systems that support Machine Learning and Artificial Intelligence. Outstanding applicants in other areas will also be considered.

Applicants should hold a Doctoral degree from an accredited institution in the field of Computer Science or closely related field at the time of appointment and have a demonstrated record of academic accomplishments.

The department currently has 25 tenure-track and 7 specialized faculty members and offers degrees at the BS, MS, and PhD levels. Our annual research expenditure has been growing substantially in the past several years and was over four million dollars in the 2022 fiscal year. The department is an NSA/DHS Center of Academic Excellence in Cyber Defense Education (CAE/CDE) and Research (CAE-R). FSU is classified among RI: Doctoral Universities - Very high research and a top 20 national public university. Its primary role is to serve as a center for advanced graduate and professional studies while emphasizing research and providing excellence in undergraduate education. Further information can be found at:

<https://www.cs.fsu.edu/recruit>

Screening will begin December 15, 2022 and will continue until the positions are filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of three references at: [www.jobs.fsu.edu](http://www.jobs.fsu.edu), select "Browse Job Openings," and search for Job ID 53309. Questions can be e-mailed to Prof. Weikuan Yu, Faculty Search Committee Chair, [recruitment@cs.fsu.edu](mailto:recruitment@cs.fsu.edu).

FSU is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer. FSU's Equal Opportunity Statement can be viewed at: [http://www.hr.fsu.edu/PDF/Publications/diversity/EEO\\_Statement.pdf](http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf)

Individuals from traditionally underrepresented groups are encouraged to apply.

## Grand Valley State University

### *Assistant/Associate Professor of Computing*

The School of Computing at Grand Valley State University seeks to fill multiple tenure-track assistant/associate professor positions beginning August 2023.

A Ph.D. in Computer Science, Data Science, Cybersecurity, or closely related field is required. ABD near completion will be considered. Candidates must be professionally active, have demonstrable teaching potential and a commitment to mentoring undergraduate and graduate students through teaching and research. We are looking for excellent teachers with a passion for computing and learning and a

commitment to diversity, equity, inclusion, and access. Mentoring undergraduate or graduate research in your area of technical specialty is valued. Candidates with specialties in **cybersecurity, data science, info/data visualization, or UX/usability** are especially encouraged to apply.

The successful candidate will teach core areas of computer science, information systems, information technology, cybersecurity, or data science. Typically involves a 3-3 teaching load with scholarship options. Engagement in research and collaboration with students and affiliated faculty or industry partners is desired. We seek individuals who can leverage their research agenda to facilitate collaboration and bring innovative pedagogical methods into undergraduate and graduate teaching.

The School of Computing offers ABET accredited undergraduate programs, several minors, and master's degrees. Grand Valley has over 22,000 students. The School has 47 full-time faculty, approximately 900 undergraduate students and over 300 graduate students. We focus on experiential learning with opportunities for faculty-industry collaboration via our Applied Computing Institute.

The Grand Valley campuses are located in Allendale and downtown Grand Rapids, which is the second largest metropolitan area in Michigan. The area offers numerous cultural and recreational opportunities, a moderate cost of living, and a high quality of life. Visit [www.experiencegr.com](http://www.experiencegr.com) or [www.hellowestmichigan.com](http://www.hellowestmichigan.com) for information on living in the west Michigan area. Refer to our web site ([www.gvsu.edu/computing](http://www.gvsu.edu/computing))

for additional information about our faculty, students, and university ([www.gvsu.edu](http://www.gvsu.edu)).

Application review will begin immediately and continue until the positions are filled. Applications will be accepted on-line only. Apply at [www.jobs.gvsu.edu](http://www.jobs.gvsu.edu). Include a cover letter, curriculum vita, statements of teaching and research philosophy, and at least three references listing name, address, phone and e-mail address. If you have questions or need assistance, call Human Resources at (616) 331-2215. Grand Valley State University is an affirmative action, equal opportunity institution.

## Grinnell College

### Computer Science

#### 2-Year Position (Start Fall 2023)

GRINNELL COLLEGE. The Department of Computer Science invites applications for a 2-year appointment beginning Fall 2023. Assistant Professor (Ph.D.) preferred; Instructor (ABD) or Associate Professor possible. Candidates with research and teaching interests in any area of Computer Science are encouraged to apply. Candidates with degrees in closely-related fields with relevant experience will also be considered.

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

To be assured of full consideration, all application materials should be received by February 10, 2023.

Please visit our application website at <https://jobs.grinnell.edu> to submit an application online or the Department website at <https://www.cs.grinnell.edu> for additional information about CS at Grinnell. Candidates will need to upload a letter of application, curriculum vitae, undergraduate and graduate transcripts (copies are acceptable), a research statement, a statement of teaching philosophy, and a statement describing how the candidate can support diversity in the department, College, and discipline. Candidates must also provide names and email addresses to request three confidential letters of recommendation. Questions about this search should be directed to the search chair, Professor Peter-Michael Osera, at [CSSearch@grinnell.edu](mailto:CSSearch@grinnell.edu) or 641-269-3169.

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

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

## IMDEA Software Institute

### Tenure-Track Faculty Positions

The **IMDEA Software Institute** invites applications for tenure-track (Assistant Professor) faculty positions. We are primarily interested in recruiting excellent candidates in the areas of: *Machine Learning, including Explainable AI, Neuro-Symbolic Computation, Formal Reasoning about ML Systems, Data Analysis at Large Scale, etc.; Systems in general, including Distributed Systems, Embedded Systems, Databases, IoT and Edge Computing, etc.; Cyber-Physical Systems; Software Technology for Quantum Computing; Privacy; and Software Engineering.* Exceptional candidates in other topics within the general research areas of the Institute will also be considered. Tenured-level (Associate and Full Professor) applications are also welcome.

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

### Selection Process

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

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

**Applications should be completed using the application form at <https://careers.software.imdea.org/>**

Please select the reference "2023-01-faculty-call" at the beginning of the form. For full consideration, complete applications must be received by February 15, 2023, although applications will continue to be accepted until the positions are filled.

## Working at the IMDEA Software Institute

The Institute is located in the vibrant area of Madrid, Spain. It offers an ideal working environment, combining the best aspects of a research center and a university department. Its researchers can focus on developing new ideas and projects, in collaboration with world-leading, international faculty, post-docs, and students. Researchers also have the opportunity (but no obligation) to teach university courses. The Institute offers institutional funding and also encourages its members to participate in national and international research projects. The working language at the Institute is English.

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

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

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

## Iowa State University

*Researcher, Engineer, and Manager Positions in Wireless Systems and Rural Broadband*

The Center for Wireless, Communities and Innovation (<https://wici.iastate.edu/>) at Iowa State University has several Researcher, Engineer, and Manager positions for research, development, innovation, and entrepreneurship in advanced wireless (e.g., 5G and beyond), rural broadband, and applications. The positions offer opportunities of contributing to exciting projects such as the \$16M ARA PAWR project (<https://arawireless.org>), \$20M ICICLE AI Institute project (<https://icicle.ai>), OPERA open-source ecosystem project (<https://wici.iastate.edu/opera>), and other projects of the WiCI Center (<https://wici.iastate.edu/projects>).

For details, please check out <https://wici.iastate.edu/career/>.

## Johns Hopkins University

*Tenure-Track Faculty, Department of Computer Science*

The Johns Hopkins University's Department of Computer Science invites applications for tenure-track faculty positions at all levels and across all areas of computer science. We are particularly interested in applicants in computer vision, networked systems, theoretical computer science, and machine learning. The search will concentrate on candidates applying at the Assistant and Associate Professor levels. However, all qualified applicants will be considered.

The Department of Computer Science has 32 full-time tenured and tenure-track faculty members, 7 research and 8 teaching faculty members, 225 PhD students, over 200 MSE/MSSI students, and over 700 undergraduate students. There are several affiliated research centers and institutes including the *Center for Computational Biology (CCB)*, the *Laboratory for Computational Sensing and Robotics (LCSR)*, the *Center for Language and Speech Processing (CLSP)*, the *JHU Information Security Institute (JHU ISI)*, the *Institute for Data Intensive Engineering and Science (IDIES)*, the *Malone Center for Engineering in Healthcare (MCEH)*, the *Institute for Assured Autonomy (IAA)*, and the *Mathematical Institute for Data Science (MINDS)*. More information about the Department of Computer Science can be found at <https://www.cs.jhu.edu> and about the Whiting School of Engineering at <https://engineering.jhu.edu>.



## Assistant/Associate Professors of Computer Science

Posting Number: F114P

**Summary:**

The Department of Mathematics, Computer Science, and Data Science at John Carroll University invites applications for multiple tenure-track positions in Computer Science. We welcome applications at both the assistant and the associate levels. We will prioritize candidates with a strong commitment to high-quality teaching and collaboration with faculty in the department and across campus. Candidates are expected to develop a research agenda and supervise undergraduate students.

We are open to a wide range of possible specialties, but we are particularly eager to hire candidates with expertise in machine learning, health informatics, software engineering, algorithms, systems, and security. The university is committed to rapidly growing the computer science major, providing candidates with many opportunities to shape the future of the program. John Carroll University has a well-established culture of fostering interdisciplinary research with an emphasis on social justice, service to the common good, and human health. The department and the university have strong ties with world-renowned organizations in the Cleveland area in healthcare, manufacturing, and finance, and a commitment to supporting faculty research and professional development.

Review of applications will begin on December 16 and will continue until the positions are filled. The positions will start in August 2023. Candidates with questions should feel free to contact the search committee chair, Dr. Elena Manilich, at <mailto:emanilich@jcu.edu>.

**Required Qualifications:**

Candidates must have a Ph.D. in Computer Science or a closely related field by August 2023.

Candidates should demonstrate potential for excellence in teaching, a commitment to research, and an interest in being an engaged member of the faculty at a selective Jesuit Catholic liberal arts institution.

**About John Carroll University:**

John Carroll University is a private, coeducational, Jesuit Catholic university, founded in 1886, dedicated to developing people with the knowledge and character to lead and to serve. The University is located in University Heights, Ohio, an attractive residential suburb 10 miles east of downtown Cleveland. Academically, the University consists of the College of Arts and Sciences and the Boler College of Business, which both include graduate programs. The University offers 70 Academic Programs in the arts, social sciences, natural sciences, and business at the undergraduate level, and in select areas at the master's level.

The University enrolls approximately 2,500 undergraduate students and 500 graduate students and has a student-to-faculty ratio of 14:1. John Carroll University is one of 27 Jesuit universities in the United States and has been listed in U.S. News & World Report magazine's top 10 rankings of Midwest regional universities for more than 30 consecutive years.

**EEO Statement:**

John Carroll University is an Affirmative Action, Equal Opportunity Employer. The University is committed to diversity in the workplace and strongly encourages applications from women and minorities, veterans and individuals with disabilities.

**To apply, visit <https://apptrkr.com/3704476>**



## Assistant/Associate Professors of Computer Science

Posting Number: F114P

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**EEO Statement:**

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**To apply, visit <https://apptrkr.com/3708271>**

The department is conducting a broad and inclusive search and is committed to identifying candidates who through their research, teaching and service will contribute to the diversity and excellence of the academic community. More information on diversity and inclusion in the department is available at <https://www.cs.jhu.edu/diversity/>.

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references.

Applications must be made on-line at <http://apply.interfolio.com/116081>. While candidates who complete their applications by January 6, 2023 will receive full consideration, the department will consider applications submitted after that date. Questions may be directed to [fsearch2022@cs.jhu.edu](mailto:fsearch2022@cs.jhu.edu).

The Johns Hopkins University is committed to equal opportunity for its faculty, staff, and students. To that end, the university does not discriminate on the basis of sex, gender, marital

status, pregnancy, race, color, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, veteran status or other legally protected characteristics. The university is committed to providing qualified individuals access to all academic and employment programs, benefits and activities on the basis of demonstrated ability, performance and merit without regard to personal factors that are irrelevant to the program involved.



**JOHNS HOPKINS  
UNIVERSITY**

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**Human Language Technology  
Center of Excellence**

The HLTCOE is hiring excellent speech, NLP, and Computer Vision researchers to join our team. We have immediate openings for non-tenure track Research Scientists at all levels of experience, as well as for post-doctoral fellows. Please view current opportunities at <https://hlcoe.jhu.edu/opportunities/>.  
We welcome all inquiries: [hlcoe-hiring@jhu.edu](mailto:hlcoe-hiring@jhu.edu).

*The Human Language Technology Center of Excellence at Johns Hopkins University was founded in 2007 to create next-generation algorithms for speech and language processing. We identify and create innovative technologies that have significant impact on challenging real-world problems. Our research addresses key challenges in extracting information from massive sources of text and speech.*

## Lawrence Berkeley National Laboratory

*Director, Scientific Data Division - 97574*

Lawrence Berkeley National Laboratory is seeking an experienced scientific leader with an outstanding record of research accomplishments in data science, computer science, computational science, applied math, or related fields to serve as the Director of the Scientific Data Division. This is an unparalleled opportunity to lead a research division that is internationally recognized for excellence in computer science, data science, and computational research, and to foster an environment that supports high-quality scientific research in foundational and groundbreaking fields and further advances in data-intensive computational science.

### Key responsibilities include:

- Providing scientific and operational leadership for SciData research programs, overseeing a \$30-million portfolio and approximately 100 employees.
- Developing new initiatives advancing a long-term research vision and strategic

plan aligned with national goals, and working collaboratively with Berkeley Lab senior leadership.

- Working closely with Division Directors and Associate Lab Directors to support existing high visibility collaborations and identify new opportunities to collaborate.
- Liaising with Department of Energy and other funding agencies to champion data science research, influence future research directions, and communicate new ideas.
- Advancing Berkeley Lab's stewardship values and fostering a culture of diversity, inclusion, equity, and accountability.
- Ensuring operational effectiveness and compliance, in partnership with the Operations Deputy, including finance, workforce planning, HR, EHS, and facilities management.

To view the full job posting, including job responsibilities, required qualifications, expected salary range and application guidelines, please visit: <http://50.73.55.13/counter.php?id=249152>

## Lewis University

*Assistant Professor, Data Science*

Lewis University is seeking a full time, tenure-track position as Assistant Professor of Data Science. We are looking for someone who is dedicated and passionate about teaching and promoting Data Science, while providing service for the department and maintaining an active research agenda in the data science field. The new faculty member will teach and regularly update a variety of courses for our data science programs. The priority closing date is February 10, 2023, but we will continue to review and accept applications until the position is filled. The full position description can be viewed on the Lewis website;



<https://jobs.lewisu.edu/postings/8025>

- Teach 24 semester hours per academic year
- Service to the department and university
- Continued scholarship in the field of data science

## Loyola University Chicago

*Tenure-Track Assistant Professor Position in Cybersecurity/Computer Science*

The Department of Computer Science at Loyola University Chicago invites applications for a full-time, tenure-track position at rank Assistant Professor beginning Fall 2023. While we seek applicants with expertise in Cybersecurity and Privacy, we also welcome exceptional candidates in other adjacent areas to apply. We especially encourage



## Computer Science Instructor (2023)

MiraCosta College in North San Diego County, California, invites applications for a full-time, tenure-track Computer Science Instructor position, beginning in August 2023.

**Principal Responsibilities:** Teach computer science courses with a focus on our advanced/capstone offerings, including data structures, software engineering, and/or computer architecture, both online and on-ground. Create, review, develop and evaluate courses, certificates and programs. Integrate current research to demonstrate culturally sustaining teaching strategies promoting student success.

**Compensation & Benefits:** Salary based on education and experience, ranging from \$80,981 (class I, step 1) to \$135,570 (class VI-doctorate, step 10) on the 2023-2024 salary schedule at [https://www.miracosta.edu/hr/hr/\\_docs/2023-2024FTFacultySalarySchedule.pdf](https://www.miracosta.edu/hr/hr/_docs/2023-2024FTFacultySalarySchedule.pdf)

MiraCosta pays 100% of the cost of medical, dental and vision insurance premiums for eligible employees and dependents. State pension system retirement benefits (CalSTRS).

**Application Deadline:** Tuesday, February 7, 2023.

**View the detailed job posting and apply online at**  
<https://aptrkr.com/3778530>

applications from candidates from underrepresented groups, as well as scholars committed to interdisciplinarity.

The department comprises 16 full-time faculty members and maintains an active research program with recent funding from NSF, NIH, NSA/DoD and other sources. The department has received approval to launch a PhD program in computer science effective Fall 2023. For more information about the department, please visit <https://www.luc.edu/cs>.

Review of applications will begin immediately and continue until the position is filled. Applications submitted before January 15, 2023 will receive full consideration.

Applicants should follow the specific instructions available at <https://www.careers.luc.edu/postings/22179>.

## NEC Laboratories America, Inc.

*Researcher - Machine Learning*

**NEC Laboratories America, Inc.** (NEC Labs) is the US-based center for NEC Corporation's global network of corporate research laboratories. Our diverse research groups collaborate with industry, academia and governments to provide disruptive solutions to complex problems.

Our Machine Learning group has openings for researchers with a passion for developing the next generation of machine intelligence. Expertise in machine learning with a proven track record of original research are prerequisites for this position.



We have been at the forefront of research in such areas as deep learning, support vector machines, and semantic analysis for almost two decades. Our research has been published in premier venues and has won numerous awards, including the 2010 IEEE Neural Networks Pioneer Award, the 2012 IEEE Frank Rosenblatt Award, the 2012 Benjamin Franklin Medal, the 2013 NEC C&C Prize, ICML 2018 Test of Time Award, and NeurIPS 2018 Test of Time Award. Our research has been translated into NEC's businesses, leading to innovative products and services of NEC, such as semantic analysis of job applications and product reviews, accident prevention, anomaly detection, and digital pathology.

Currently our team is tackling challenges in imparting abstract reasoning capabilities to machine learning and facilitating effective human-machine collaboration, and how these enable new applications in sustainable environment, smart manufacturing, safe cities, natural language processing, and personalized healthcare. <https://www.nec-labs.com/research/machine-learning/home/>

## Requirements

- PhD in computer science, electrical engineering, statistics, or equivalent
- Research experience in machine learning with strong publication record
- Strong algorithm and numeric computation background
- Programming experience in Python, C/C++, or other languages

- Experience with deep learning libraries and platforms a plus, e.g. PyTorch, TensorFlow

For more information about NEC Labs, please visit [www.nec-labs.com](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=4955511](https://www.appone.com/MainInfoReq.asp?R_ID=4955511).

## Equal Opportunity Employer

### NEC Laboratories America, Inc.

#### Researcher - Data Science

**NEC Laboratories America, Inc.** (NEC Labs) is the US-based center for NEC Corporation's global network of corporate research laboratories. In collaboration with industry, academia, and governments around the world, we generate and commercialize innovative technical solutions to real world problems.

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 can 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

For more information about NEC Labs, please access [www.nec-labs.com](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](https://www.appone.com/MainInfoReq.asp?R_ID=4134286).

## Equal Opportunity Employer

## New Mexico State University

Program Specialist  
Req 2200892S  
Pos 716450

The Computer Science Department at New Mexico State University seeks

applications for the position of Program Specialist. Duties include: Lead the day-to-day operations of the program; develop and disseminate advertising and recruitment materials; assist in the data collection and evaluation activities; assist in the development of reports; coordinate with the other sites of the

project; supervise part-time student mentors; manage academic support; monitor and manage program budget; coordinate departmental and program commitments; research, write, and apply for grants; conduct recruiting events; plan, design, and organize presentations. Experience with K-12 education, outreach

## Northwestern University



## Search for the Dean of the Robert R. McCormick School of Engineering and Applied Science

### THE SEARCH

Northwestern University (Northwestern or the University), among the nation's most ambitious and renowned private research-intensive universities and a member of the Association of American Universities (AAU), welcomes applications and nominations for the position of dean of the Robert R. McCormick School of Engineering and Applied Science (McCormick School of Engineering or McCormick). This is a distinctive leadership opportunity to build on the academic excellence of a prestigious engineering school that has top-ranked programs in materials science (#3), industrial engineering (#5), biomedical engineering (#13), civil engineering (#13), mechanical engineering (#13), and chemical engineering (#14). Sponsored research at McCormick reached a record of \$140 million in 2022, up 16 percent from the prior year. The school boasts cutting-edge, interdisciplinary research centers including but not limited to research areas such as regenerative engineering, sustainability and resilience, and robotics and biosystems. At the core of the school is a distinguished faculty, 19 of whom have been elected to the National Academy of Engineering. The strong interdisciplinary nature of the school is evidenced by 20 percent of faculty holding joint appointments with other schools at Northwestern. The next dean will engage the community to accelerate the momentum and progress of the school to elevate its national and global impact and stature.

The McCormick School of Engineering, established in 1909, is located on Northwestern's Evanston campus and is driven by a mission to produce leaders and path-breaking research that will create the maximum positive change in the world. The school's reputation and culture of collaboration draw top faculty, staff, and students from across the globe. McCormick's approximately 300 full-time faculty, over 200 part-time and adjunct faculty, and 415 staff members serve a population of 1,973 undergraduate students and 2,198 graduate students (1,089 doctoral students and 1,401 master's students), which has grown by almost 20 percent over the last decade. The increased demand from students for a McCormick education can be attributed to the strong and collaborative culture of student engagement, access to world-class faculty, and an emphasis on nurturing skills for technical excellence, problem-solving, and leadership.

Interdisciplinarity is a core tenet of the school, and McCormick has made it a strategic priority to connect with every school at Northwestern, leveraging excellence that exists across a broad array of disciplines and fields. The school is home to 23 interdisciplinary centers and institutes and is also affiliated with 14 University-wide centers. McCormick is a leader in the Northwestern University Materials Research Science and Engineering Center (NU- MRSEC), and also plays a significant role in the Hybrid Autonomous Manufacturing, Moving from Evolution to Revolution (HAMMER) Engineering Research Center (ERC), funded by a \$26 million multi-institutional grant from the National Science Foundation (NSF) in 2022. McCormick has a diverse base of research support that includes most federal agencies and its innovations have benefited millions around the world.

Building engineering is a top priority of Northwestern's new president. Within this context, the dean will have the opportunity to lead strategy and set a vision to build on McCormick's strengths, lead the school to stronger national and global impact, and propel the school to the highest level of excellence in the field. To succeed in this role, the dean must possess significant leadership experience and the ability to promote growth and innovation as well as a demonstrated track record of success in advancing diversity, equity, and inclusion. They must also be able to establish clear priorities and inspire the community to achieve an even greater impact through cutting-edge research. At the same time, the dean will support innovative teaching and training that inspires the next generation of engineers through a rigorous engineering curriculum as part of a well-rounded and hands-on education. Experience building bridges between academic disciplines; a commitment to facilitating collaborative activities across institutional and disciplinary boundaries, including with industrial partners; and a strong track record in fundraising are essential.

Confidential review of applications and nominations will continue until an appointment is made. Applications, nominations, and inquiries should be directed electronically in confidence to:

Isaacson, Miller  
<https://apptkr.com/3778151>

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. As per Northwestern University policy, this position requires a criminal background check. Successful applicants will need to submit to a criminal background check prior to employment.

programs and teacher professional development is highly preferred. Please note: This position is contingent upon continued external funding.

**For a more comprehensive description and to apply, please visit:** <https://jobs.nmsu.edu/postings/48926>

NMSU is an equal opportunity and affirmative action employer committed to assembling a diverse, broadly trained faculty and staff. Women, minorities, people with disabilities, and veterans are strongly encouraged to apply.

## NYU Tandon School of Engineering

### CSE Tenure-Track Positions

The Department of Computer Science and Engineering (CSE) at the NYU Tandon School of Engineering (NYU Tandon) invites applications for two tenure-track positions at the level of Assistant or Associate Professor with an anticipated start date of September 1, 2023.

We are looking for strong candidates working in a broad set of research areas within computer science. Areas of focus for this search are visualization, data engineering, cybersecurity (especially in the areas of Emerging Media, Health, Sustainability, Systems, and Responsible Technology), and theory with applications to other research areas (e.g. Theory + Responsible Computing, Theory + Data Management, Theory + Scientific Computing, etc.)

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.

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 excellent scholarly environment, with a large and rapidly expanding group of faculty working in computer and data science.

The CSE department has 21 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 visualization, security and privacy, algorithms and theory, and machine learning. We also have groups working in interdisciplinary research areas like AI for games, responsible AI, cybercrime, public health and social media, online political communication, urban computing, and sports analytics.

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.

### Application Instructions

**Please submit application materials electronically at the following link:**

<https://apply.interfolio.com/119179>

Applications should include a cover letter, current CV, research statement, teaching statement, recent teaching evaluations (if available), and 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. Please also list the names and contact information for three references. Referees will upload confidential letters of reference in the Interfolio system.

We will review applications starting immediately and will continue until we fill the position; we encourage you to submit early. For any questions, please contact: Juliana Freire, [juliana.freire@nyu.edu](mailto:juliana.freire@nyu.edu).

### Additional Information

In compliance with NYC's Pay Transparency Act, the annual base salary

(for 9 month) range for this position is \$105,000 - \$175,000 for the Assistant Professor rank and \$145,000 - \$215,000 for the Associate Professor rank. New York University considers factors such as (but not limited to) scope and responsibilities of the position, candidate's work experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

## NYU Tandon School of Engineering

*Visiting Faculty (Open Rank), CSE*

The Department of Computer Science and Engineering (CSE) at the NYU Tandon School of Engineering (NYU Tandon) invites applications for an open-rank 1-year visiting faculty position, beginning September 1, 2023. The visiting faculty member is expected to contribute to both research and teaching in the department. The teaching load will be a maximum of 3 courses for the year.

### Apply Here:

<https://apply.interfolio.com/118109>

We will review applications as they are received and will continue until we fill the position. We encourage you to submit as soon as possible. Should you have any questions please contact Justin Cappos at [jcappos@nyu.edu](mailto:jcappos@nyu.edu).

### Additional Information

In compliance with NYC's Pay Transparency Act, the annual base salary range for this position is \$70,000 - \$135,000 for the

Assistant Professor rank, \$90,000 - \$160,000 for the Associate Professor rank and \$115,000 - \$185,000 for the Full Professor rank. New York University considers factors such as (but not limited to) scope and responsibilities of the position, candidate's work experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

## Ohio State University

*Open Tenure-Track Faculty Positions, Race and Health Equity*

As part of the RAISE initiative, the Department of Computer Science & Engineering (<https://cse.osu.edu>) at The Ohio State University invites applications for tenure-track faculty appointments. We seek scholars who aim to improve health equity through understanding and reduction of the impact of the Social Determinants of Health (SDOH) on vulnerable and disenfranchised communities. Successful applicants should hold or be completing a Ph.D. in computer science, computer engineering, or a closely related field, with primary research interests in data science/ analytics and AI and specifically machine learning. Candidates with interests and experience with developing solutions to address SDOH will be preferred. However, all applicants with demonstratable record of achievement in developing AI/ML methods and cyberinfrastructure for large scale studies in the social sciences are welcome to apply. These scholars will

be expected to work with others closely and hence should have demonstrable record of interdisciplinary collaborations.

**Additional details and application instructions are available at <https://go.osu.edu/cse-race-and-health-equity>**

## Old Dominion University

*Lecturer in Computer Science (Non-Tenure Track, F0680AI)*

The Department invites applicants for a Lecturer position beginning July 2023. An MS or the equivalent in Computer Science and college-level teaching experience is required. The successful applicant must be prepared to teach a broad range of undergraduate courses, including C# programming courses, and to handle the usual faculty service load. Consideration will be given to an applicant's history of course development for both live classrooms and distance learning environments and to experience with teaching and managing large course sections. Consideration will also be given for a PhD in Computer Science with the accompanying ability or experience to teach graduate courses in Computer Science.

Interested candidates should submit materials at <https://jobs.odu.edu/postings/17293>. Applicants should attach the following to the online application: a cover letter; a curriculum vitae; unofficial graduate transcripts; a statement of teaching philosophy; and contact information for three academic or professional references (references will be contacted if applicant moves forward in the search).

The review of applications will begin on January 10, 2023 and continue until the position is filled. Any questions you have should be directed to the Search Committee Chair, Dr. Steve Zeil ([zeil@cs.oregonstate.edu](mailto:zeil@cs.oregonstate.edu)).

It is the policy of Old Dominion University to provide equal employment, educational and social opportunities for all persons, without regard to race (or traits historically associated with race including hair texture, hair type, and protective hairstyles such as braids, locks, and twists), color, religion, sex or gender (including pregnancy, childbirth, or related medical conditions), national origin, gender identity or expression, age, veteran status, disability, political affiliation, sexual orientation or genetic information. Minorities, women, veterans, LGBTQ+, and individuals with disabilities are encouraged to apply.

## Oregon State University

### *College of Engineering*

#### *Multiple Faculty Positions In Electrical Engineering*

The School of Electrical Engineering and Computer Science (EECS) at Oregon State University invites applications for multiple tenure-track faculty positions in **energy systems, packaging and integration, and materials and devices**. These positions are part of a university-wide initiative to strengthen and support the university's vision of leading world-class, team-based, interdisciplinary research and education.

The initiative includes over \$200 million in planned public and private

investments in facilities, equipment, faculty hiring and programs, including the construction of the Jen-Hsun and Lori Huang Collaborative Innovation Complex (CIC), to help propel Oregon State's mission to pursue groundbreaking solutions for the betterment of humanity, the environment and the economy. The complex will harness one of the nation's most powerful supercomputers designed to solve the world's most challenging computational problems, a state-of-the-art clean room and other specialized research facilities purposely designed to facilitate team-based research. Through this effort, engineering faculty will collaborate with world-renowned faculty and nationally-ranked programs in ocean, earth and climate science to empower success and address the grand challenges in climate science, oceanography, sustainability, and water resources to improve the quality of human life.

The appointments will be at the rank of Assistant Professor, but exceptionally qualified candidates may be considered for Associate or Full Professorship. Applicants must hold a Ph.D. or an equivalent degree in Electrical and Computer Engineering or a closely related discipline by the expected start date of Fall 2023.

Successful applicants will demonstrate capability for building a robust research program that complements existing expertise in the School of EECS and enhances the scope for collaborative and multidisciplinary projects with the Collaborative Robotics and Intelligent Systems Institute; the College of Earth,

Ocean and Atmospheric Sciences; the Hatfield Marine Science Center; and the Oregon Health and Science University, among other organizations. Successful applicants will also demonstrate a passion for and excellence in teaching and mentoring, with a strong commitment to promoting inclusion and equity for learners from diverse groups. The applicants are expected to be able to teach undergraduate and graduate-level courses in electrical and computer engineering in different modalities as required.

The School of EECS has over 100 faculty members (of which 66 are tenured or on the tenure track) and more than 3900 undergraduate and 450 graduate students. Numerous national awards attest to the scholarly accomplishments and distinction of the faculty: two inductees in the National Academy of Engineering, 23 professional society fellows and 27 winners of prestigious early-career investigator awards. Students and faculty members have access to extensive shared-use equipment for the fabrication and characterization of electronic materials and devices in the Materials Synthesis and Characterization (MaSC) Facility, for characterization and testing of IC prototypes in the Analog & Mixed Signals and Systems Lab, and for high power testing in The Wallace Energy Systems & Renewables Facility (WESRF). Additionally, the new \$200 million Collaborative Innovation Complex (CIC) at Oregon State University will provide rich resources to support innovation and entrepreneurship. The complex will harness one of the nation's most powerful supercomputer designed to solve the world's most

challenging computational problems, a purpose built clean room, and other specialized research facilities purposely designed to facilitate team-based research. The CIC will further increase opportunities for collaboration with industry partners in Oregon's silicon forest and the Pacific Northwest National Laboratory.

Oregon State University (OSU) is located in Corvallis, a welcoming, multicultural college town with nearly 60,000 residents. Corvallis is ranked among the top ten places to live in the U.S. OSU is an Affirmative Action/Equal Opportunity employer and is committed to continuing to build and support a diverse and inclusive community of faculty, students and staff. The university actively supports dual-career opportunities. The College of Engineering is third among tier-one public universities for the percentage of women faculty members in its ranks. We particularly encourage women, members of historically underrepresented racial/ethnic groups, individuals with disabilities, veterans, LGBTQ community members, and others who share our vision of an inclusive community to apply.

Applications may be submitted online at <https://jobs.oregonstate.edu/postings/I27469> (posting #P06168UF) with the following six documents: (1) letter of interest; (2) vita; (3) two-page statement of research interests; (4) one-page statement of teaching interests; (5) one-page statement on the candidate's experiences with and plans to support equity and inclusion; and (6) names and contact information for at least three references.

**For full consideration, complete applications must be received by December 31, 2022. The posting will remain open until March 31, 2023, or until all positions are filled. We strongly encourage candidates to apply early.**

## Oregon State University

### *Multiple Faculty Positions In Computer Science And Artificial Intelligence*

#### *Oregon State University | College of Engineering*

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for several full-time, nine-month, tenure-track and tenured faculty positions at all levels. We seek faculty candidates in software engineering, artificial intelligence, and security/systems. These positions are part of a university-wide initiative to support team-based interdisciplinary research and education.

The initiative includes a planned 150,000 square feet Jen-Hsun and Lori Huang Collaborative Innovation Complex as well as over \$200 million in planned public and private investments in facilities, equipment, faculty hiring and programs. The complex will harness one of the nation's most powerful supercomputers designed to solve the world's most challenging computational problems, a state-of-the-art clean room and other specialized research facilities purposely designed to facilitate team-based research. Through this effort, engineering faculty will participate in nationally-ranked programs in ocean, earth and

climate science to help propel Oregon State's mission to pursue groundbreaking solutions for the betterment of humanity, the environment and the economy.

As a land grant institution committed to teaching, research, outreach and engagement, Oregon State promotes economic, social, cultural, and environmental progress for the people of Oregon, the nation, and the world. In support of this mission, the College of Engineering recently updated its strategic plan to advance high-impact research; ensure excellent student learning; and develop a community that is inclusive, collaborative, diverse, and centered on student success.

Applicants should demonstrate a strong commitment and capacity to initiate newly funded research and expand and complement existing research programs in the OSU College of Engineering and beyond. Furthermore, applicants should demonstrate a strong commitment to undergraduate and graduate teaching. Applicants are expected to mentor students and promote equitable outcomes among learners of diverse and underrepresented identity groups. Applicants must hold a Ph.D. degree in Computer Science, Electrical and Computer Engineering, or a closely related discipline.

Oregon State University is located at the heart of Oregon's Willamette Valley and close to Portland's Silicon Forest, with numerous collaboration opportunities. The School of EECS has 66 tenured/tenure-track faculty members and 490 graduate students (212 Ph.D. students). Among the faculty, we have two National Academy of Engineering members, 23 professional society

(IEEE and ACM) Fellows, and 27 Young Investigator/CAREER Award recipients. Among our several areas of distinction is a widely-recognized program in usability engineering aimed at eliminating gender bias in software and promoting inclusive technology. We launched new Master and Ph.D. degrees in Artificial Intelligence in the Fall of 2021. Many faculty members of the School of EECS are also active participants in the recently established Collaborative Robotics and Intelligent Systems (CoRIS) Institute and the Pervasive Personalized Intelligence Center. The School of EECS boasts of a highly-ranked online postbac program in computer science which has become a national model and has recently started the online BS, Meng and MS programs in computer science.

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

Apply online at <https://jobs.oregonstate.edu/postings/127562> Posting # (P06174UF) with the following documents: A letter of interest; vita; a two-page statement of research interests; a one-page statement of teaching interests; a one-page statement on the candidate's experiences with and future plans towards equity and inclusion; and names and contact information for at least three references.

**For full consideration, apply by December 15, 2022.** Additional screening will continue until all positions are filled or until the posting closing date of June 30, 2023, whichever comes first.

## Purdue University

*Assistant or Associate Professor of Computer Science*

*Tenure-Track/Tenured Professor of Computer Science*

The Department of Computer Science in the College of Science at Purdue University invites applications for multiple tenure-track or tenured positions in all areas of computer science. These appointments will be at the level of Assistant or Associate Professor. The positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science.

### Qualifications

Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research and a strong commitment to teaching.

### Principal Duties

Successful candidates will be expected to develop research programs in their fields of expertise supported by extramural funding, teach courses in computer science, and participate in department and university activities.

### The Department and College

The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science, Data Science, and Artificial Intelligence; and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu>.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 7,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 50,000 students primarily focused on STEM subjects.

Purdue University, the College of Science and the Department of Computer Science are committed to advancing diversity in all areas of faculty effort, including discovery, instruction, and engagement. Candidates are encouraged to address in their cover letter

how they are prepared to contribute to a climate that values diversity and inclusion.

Purdue University, the College of Science and the Department of Computer Science are committed to free and open inquiry in all matters. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom.

## Application Procedure

Applications need to include (1) a complete curriculum vitae, (2) a statement of research and a statement of teaching, and (3) names and contact information of at least three references.

## Reference Collection

After submitting the application, you will receive an email from [system@successfactors.com](mailto:system@successfactors.com) titled "Follow-up to your application." Please follow the instructions in the email to submit your references. You MUST complete this step in order to move forward in the process.

A background check will be required for employment in this position. Review of applications and interviews will begin on November 23, 2022, and will continue until positions are filled. Inquiries can be sent to [search@cs.purdue.edu](mailto:search@cs.purdue.edu).

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

## FLSA Status

Exempt

## Purdue University

### *Tenure-Track/Tenured Professors in Computer Science - Data Science*

#### Job Summary

The Department of Computer Science in the College of Science at Purdue University invites applications for tenure-track or tenured positions in the broad area of data science. Appointments are expected to be at the level of Assistant or Associate Professor. The appointments would start in August 2023 or a future date, subject to negotiation. Early career candidates with exceptional qualifications may be considered for a term-limited early career endowed professorship.

We are interested in all standard aspects of data science relevant to computer science, including:

- systems research into data-science computing platforms
- theory and data science
- computational science and engineering, scientific computing, and scientific machine learning
- numerical optimization and numerical methods for data science
- high-performance computing for data science
- topological and geometric aspects of data analysis
- software engineering for data science.

The positions are part of a continuing expansion in a large-scale hiring effort across key strategic areas in the College of Science. Please also see additional Computer Science positions posted

separately, as data science candidates may also be appropriate for those positions. There are additional posted positions in data science at Purdue in both the Mathematics and Statistics departments. Candidates are encouraged to apply for all that are relevant. Joint appointments with other departments are possible based on candidate and departmental interests.

#### Qualifications

Applicants must hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. We particularly encourage candidates who demonstrate the potential for collaboration across multiple disciplines.

#### Principal Duties

Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

#### The Department and College

The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science, Data Science, and Artificial Intelligence; and graduate MS and PhD programs, including a Professional MS in Information Security.

**For more information, see**  
<https://www.cs.purdue.edu>

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue



with over 350 faculty and more than 7,000 students. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 50,000 students primarily focused on STEM subjects.

## Application Procedure

Applications need to be submitted to this site, they will need to include (1) a complete curriculum vitae, (2) a statement of research, (3) a statement of teaching, and 4) at least three names of reference.

Purdue University, the College of Science, and the Department of Computer Science are committed to advancing diversity in all areas of faculty effort, including discovery, instruction, and engagement.

Purdue University, the College of Science, and the Department of Computer Science are committed to free and open inquiry in all matters. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom.

Applications need to be submitted to [this site](#).

## Reference Collection

After submitting the application, you will receive an email from [system@successfactors.com](mailto:system@successfactors.com) titled "Follow-up to your application." Please follow the instructions in the email to submit your references.

You MUST complete this step in order to move forward in the process.

A background check will be required for employment in this position. Review of applications and interviews will begin December 1, 2022 and will continue until positions are filled. Inquiries can be sent to [ds-search@cs.purdue.edu](mailto:ds-search@cs.purdue.edu)

**Purdue University is an EOE/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.**

## Randolph College

### *Assistant Professor of Computer Science*

Randolph College invites applicants with a Ph.D. or ABD with a completion date prior to July 2023 in computer science or related fields for a tenure-track position at the level of Assistant Professor starting before the 2023-2024 school year. The successful candidate will have a strong interest in developing a small existing computer science program into a full major in computer science, be able to develop and teach a wide range of undergraduate computer science courses, and incorporate undergraduates into their research program. Responsibilities include teaching, scholarship, and college service.

Please find our full ad at [https://www.randolphcollege.edu/humanresources/job\\_openings/assistant-professor-of-computer-science/](https://www.randolphcollege.edu/humanresources/job_openings/assistant-professor-of-computer-science/)

Priority will be given to applications received before January 31, 2023.

## Simon Fraser University

### *Director - School of Computing Science*

Simon Fraser University (SFU) is recognized globally for academic and research excellence. It is ranked as Canada's top comprehensive university and its vision is to be Canada's most engaged university. SFU has three vibrant campuses located on the unceded territory of the Coast Salish peoples, on whose traditional territories its campuses stand, in British Columbia's largest municipalities - Burnaby, Surrey and Vancouver - and deep roots in partner communities throughout the province and around the world. By recognizing these unceded territories, SFU aspires to create space for reconciliation through dialogue and decolonizing practices.

The School of Computing Science is among the top computer science departments in Canada and internationally, with excellent research and teaching programs at the graduate and undergraduate levels. The School currently has 66 faculty members, close to 400 graduate students and 2800 undergraduate students. The School strives for excellence in its researchers, instructors, and facilities, and seeks to train high-quality students. In addition to a world-class research-oriented graduate program, the school also offers a full-time Master's program in Professional Computer Science with a focus on Big Data, Visual Computing, and Cyber Security; as well the School maintains a dual-degree partnership programs with Zhejiang University in China.

Reporting to the Dean of the Faculty of Applied Sciences, the Director is

# Professional Opportunities



**SDSU** | San Diego State  
University

**Associate/Full Tenure-Track Professor Position  
and Founding Director  
SDSU Cybersecurity Center for Academic Excellence**

San Diego State University (<http://www.sdsu.edu>) seeks to fill a Founding Director position for the San Diego State University Cybersecurity Center for Academic Excellence (SDSUCCAE) to begin August 2023. The research Center will become a platform to conduct research on a variety of cybersecurity topics such as offensive & defensive cyber operations, secure mobile computing, secure software design & development, digital privacy, network & IoT security, supply chain security, security of hardware engineering, and homeland security. The Center will also support cybersecurity workforce development to meet the industry and government demands. This Associate/Full Professor tenure-track faculty position will be housed in the appropriate academic department (e.g. MIS, Computer Science, Electrical and Computer Engineering, etc.). Candidates should indicate in their application cover letter the department at SDSU that they believe is best suited for their academic training and expertise. Academic home determination for college department affiliation will depend on candidate academic training, fit with potential college departments and college dean approval. The selected candidate will be responsible for building an interdisciplinary research program from existing faculty expertise in SDSU departments and programs to develop a robust and resilient, externally funded research program that also delivers leading-edge workforce development opportunities for students in Southern California. SDSUCCAE is positioned at the dynamic epicenter of applied research in cybersecurity coupled with creating new formal degree offerings. The Founding Director will articulate the vision for the Center and help hire an Executive Director, and assist in recruiting the first cohort of faculty cluster hires that the campus is making in this emergent field.

Applicants must have an earned Ph.D. in Cybersecurity, Computer Science, Computer Engineering, Management Information Systems, or related disciplines in the application of cybersecurity across a spectrum of applications and workforce development required. Additional academic qualifications or a degree in data science are a plus.

Applications received by March 1, 2023 will receive full consideration; the position will remain open until filled. Candidates must apply via Interfolio at <https://apptrkr.com/3741419>. Questions related to this search may be addressed to [cybersechire@sdsu.edu](mailto:cybersechire@sdsu.edu)

*SDSU is a Title IX, equal opportunity employer and does not discriminate against persons on the basis of race, religion, national origin, sexual orientation, gender, gender identity and expression, marital status, age, disability, pregnancy, medical condition, or covered veteran status.*


responsible for the day-to-day academic and strategic activities of the School. A commitment to leadership, collaboration, and staff development is essential for a role of this magnitude. The Director will amplify the School's mission of performing innovative, translational research and entrepreneurship, as well as fostering the School's relationship with industry and community engagement. The Director will likewise oversee the strategy and development of new educational programs, certificates, and training to help

our undergraduate and graduate students succeed in a changed and changing world.


The School Director is a term position with an initial appointment of five years that may be renewable for a subsequent term. The successful candidate must be appointable in a discipline within the School of Computing Science to a tenured position at the level of Associate or Full Professor, and would resume regular full-time professorial duties upon the conclusion of their administrative appointment.

The ideal candidate will:

- Provide proactive leadership and operational management of the school, creating an environment that encourages innovative teaching and fosters internationally recognized research;
- Develop and deploy new initiatives that enhance Computing Science's international and domestic standing;
- Promote collaboration within the school and drive engagement with partners across the Faculty, throughout the University, and with other academic institutions and industry;
- Support the development of enhancements and innovations in teaching, learning, and curriculum design and development that enable faculty and staff to provide improved experiences and outcomes to students in all programs;
- Commit to supporting current and future undergraduate students through curriculum updates, innovations in teaching and enhancing student experiences;
- Lead the School in creating a collaborative and compelling strategic vision, with an eye towards growth, that engages academic and non-academic colleagues, students and industry partners to strive for excellence in all activities;
- Support the University's Strategic Visions, which pledges SFU to "foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty, staff,



**Stony Brook University**



**Empire Innovation Professor/Scholar (Associate/Full Professor) - Cybersecurity - Department of Computer Science, College of Engineering and Applied Sciences**

**Department of Computer Science  
Stony Brook University**

Stony Brook University's Department of Computer Science invites applications for a tenure-track/tenured faculty position with an expected starting date of Fall 2023. 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 or Full Professor level, exceptional candidates at a junior rank will also be considered. The position will include the title of SUNY Empire Innovation Professor or Scholar.

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 59 full-time faculty members and close to 2000 students in its undergraduate, masters and doctoral programs combined. The department is either home to or has significant partnerships with several interdisciplinary centers on campus. 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](http://www.cs.stonybrook.edu).

Stony Brook University is located approximately 60 miles east of Manhattan on Long Island's beautiful North Shore. It is part of the State University of New York (SUNY) system and is widely regarded as its flagship. It is ranked 31 among public universities by U.S. News & World Report's 2023 Best Colleges rankings and is a member of the prestigious Association of American Universities (AAU).

**Application Instructions**

Applicants need to electronically submit a curriculum vitae, statements of teaching, research and diversity and three letters of recommendation or evaluation. Questions should be directed to [recruit@cs.stonybrook.edu](mailto:recruit@cs.stonybrook.edu).

To apply, visit: <https://apptrkr.com/3715476>.

- Excellent communication skills and commitment to a team based working culture;
- Enthusiasm about supporting students and student initiatives, as well as engaging with them directly;
- Commitment and contributions to diversity, equity, and inclusion.

The competition will remain open until the position is filled. However, screening will commence January 27th, 2023.

**To apply, submit the following to our online application system:**

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

- A recent curriculum vitae,
- Research and teaching statements,
- A vision statement,
- Names and contact information for three referees.

We thank all applicants for their interest; however, only short-listed candidates will be contacted.

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

Simon Fraser University is an institution whose strength is based on our shared commitments to diversity, equity, and inclusion. Diversity is an underlying principle of our Strategic Vision, which pledges SFU to “foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty, staff, and our community.” SFU is committed to

and our community”. And to be “the leading engaged university defined by its dynamic integration of innovative education, cutting-edge research, and far-reaching community engagement.”

The ideal candidate is expected to possess and demonstrate the following qualifications:

- A Ph.D., and ongoing engagement, in fundamental Computing or Computer Science research areas;
- An outstanding personal research record of accomplishment and international profile;
- Leadership and administrative qualities and experience;
- Balanced attention between teaching and research initiatives;
- Proven excellence in course and curriculum design at the undergraduate and graduate levels;

ensuring that no individual is denied access to employment opportunities for reasons unrelated to ability or qualifications. Consistent with this principle, SFU will advance the interests of underrepresented members of the work force, specifically Indigenous peoples, persons with disabilities, racialized persons, and women; embrace gender and sexual diversity; ensure that equal opportunity is afforded to all who seek employment at the University; and treat all employees equitably. Candidates that belong to underrepresented groups are particularly encouraged to apply.

SFU offers several benefits and services aimed at creating a more inclusive and accessible campus community for faculty, please see the Faculty Relations, Benefits and Service page for more details. SFU is also committed to ensuring that the application and interview process is accessible to all applicants; if you require accommodations or have questions about SFU benefits, services, accommodations policies, or equity considerations please contact the Director of Equity, Diversity and Inclusion in Faculty Relations.

Under the authority of the University Act personal information that is required by the University for academic appointment competitions will be collected. For further details see: [http://www.sfu.ca/vpacademic/Faculty\\_Openings/Collection\\_Notice.html](http://www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html)

## Swarthmore College

### *Visiting Assistant Professor*

The Computer Science Department at Swarthmore College invites applications for multiple two-year Visiting Assistant Professor positions to begin fall 2023. Applicants must have or expect to have a Ph.D. in Computer Science or a related field by the position's start date. All areas of CS will be considered. Candidates in adjacent fields with a record of scholarship and teaching computer science will also be considered.

### **Instructions for applying to the position can be found on Interfolio:**

<http://apply.interfolio.com/117268>

Applications received by January 15, 2023 will receive full consideration. Applications will be reviewed on a rolling basis until all positions are filled.

## Texas A&M Institute of Data Science

### *Six research positions in Data Science*

The Texas A&M Institute of Data Science Thematic Labs have 5 open postdoctoral positions in the following areas: Scientific Machine Learning, Data Science for Social Justice, Visualization, Digital Twins, and Urban Artificial Intelligence. We also seek an Assistant Research Scientist to expand our programs in education, training, and student engagement.

### **See further details and apply at:**

[https://tamus.wdl.myworkdayjobs.com/TAMU\\_External?q=tamids](https://tamus.wdl.myworkdayjobs.com/TAMU_External?q=tamids)

## Texas A&M University

### *CSE @ TAMU Multiple Faculty Positions*

The Department of Computer Science and Engineering at Texas A&M University invites applications for multiple full-time tenure-track or tenured positions with 9-month academic appointments and the possibility of an additional summer appointment contingent upon the need and availability of funds beginning fall of 2023. Depending on qualifications, applicants will be considered for the faculty titles of assistant, associate, and full professor levels. Areas of interest include but are not limited to artificial intelligence, computer science education, cybersecurity, data science, human-centered computing, robotics, software, systems, and theory. Strong candidates in multi-disciplinary or emerging areas of computing are also encouraged to apply.

The successful applicant will be required to teach; advise and mentor graduate students; develop an independent, externally funded research program; participate in all aspects of the department's activities, and serve the profession.

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 15 departments in the College of Engineering. Many of the 52 tenured/tenure-track faculty and 20 teaching-focused faculty hold a number of national distinctions, including ACM, IEEE, AAAS, SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program, with half the faculty

having received NSF CAREER awards. CSE faculty have strong collaborations with the Center for Remote Health Technologies and Systems, Institute of Data Science, Global Cyber Research Institute, Cybersecurity Center, and Bush Combat Development Complex. Our student population comprises over 1,500 undergraduate students (sophomore to senior level) and nearly 550 graduate students. The department just moved to the newly renovated Peterson Building, with airy modern offices, conference rooms, and lounges equipped with state-of-the-art A/V technology. More information about CSE is available at <http://www.cse.tamu.edu>.

Applicants must have earned a doctorate in computer science, computer engineering, or a closely related field. Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and a list of three references (including email addresses) by applying for this specific position at <http://apply.interfolio.com/115898>.

The review process will begin immediately. The review of applications will begin by December 1, 2022. Applications received after that date may be considered until positions are filled. It is anticipated that the appointments will begin in Fall 2023. Questions concerning the application process can be directed to Kathy Waskom at [k-waskom@tamu.edu](mailto:k-waskom@tamu.edu).

Texas A&M University is committed to enriching the learning and working environment for all visitors, students, faculty, and staff by promoting a culture that embraces inclusion, diversity, equity,

and accountability. Diverse perspectives, talents, and identities are vital to accomplishing our mission and living our core values.

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

## University at Albany

*Faculty Positions: Computer Science, Electrical & Computer Engineering, Environmental & Sustainable Engineering*

The College of Engineering and Applied Sciences of University at Albany seeks [6] Open Rank, tenure track faculty in the dynamic and rapidly growing College of Engineering and Applied Sciences within the Departments of Computer Science (CS), Electrical & Computer Engineering (ECE), and Environmental & Sustainable Engineering (ESE) beginning Fall 2023. Applicants are encouraged to apply online.

The new hires will be members of the UAlbany AI Institute and are expected to lead a vigorous research program and be dedicated to teaching and mentoring at all levels. The successful candidate will provide evidence of expertise in AI and address how AI is integral to their research program. We invite applications for all ranks: Assistant, Associate, and Full Professors across all three departments within the college. Applicants for all ranks must address their plan to teach undergraduate and graduate courses in their respective departments (ECE/CS/ESE) according to their areas of expertise, including integrating AI within appropriate courses.

For more information and to apply, please visit <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=156636>

EOE

## University of Arizona

*Career-track (teaching) Faculty in Computer Science*

The Department of Computer Science at the University of Arizona is accepting applications from dedicated educators for non-tenure-eligible, Career -Track (i.e., teaching) 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. Career-track faculty 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 along two tracks.

Applicants for the Professor of Practice track must have earned a Ph.D. in Computer Science or a closely-related discipline by the time of appointment. Applicants will be considered for appointment at the Assistant Professor of Practice, Associate Professor of Practice, or Full Professor of Practice ranks based on experience and evidence of teaching quality and effectiveness.

Applicants for the Lecturer track must have earned an M.S. in Computer Science or a closely-related discipline by the time of appointment. Applicants with a B.A. or B.S. along with sufficient industry experience will also be considered. 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 2022, the Department of Computer Science has 27 faculty members, including nine Career-Track faculty. 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](http://whyUA.arizona.edu).

To apply, complete an online application at the UA Human Resources website. The links for these positions can be found here: <https://arizona.csod.com/ux/ats/careersite/4/home/requisition/11863?c=arizona> and here: <https://arizona.csod.com/ux/ats/careersite/4/home/requisition/11864?c=arizona>. 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](mailto:lecturersearch@cs.arizona.edu) if you have any questions or need assistance.

## University of Arizona

### *Assistant Professor, Tenure Track, Data Science*

The School of Information at the University of Arizona seeks MULTIPLE tenure-track Assistant Professors with a record of research in machine learning, natural language processing, and/or computational social science focusing on misinformation in social media and social networks to begin in Fall, 2023. We are especially interested in candidates who are well-versed in big data computational methodologies, those with interest in academic leadership roles (e.g., program supervision, student advising), and/or those who bring a record of working on interdisciplinary/transdisciplinary funded grant teams. This position will include teaching responsibilities at both undergraduate and graduate levels and across online and face to face formats.

**APPLY HERE**

## University of Arizona

### *Assistant and Associate Professor, Tenure Track*

The Department of Electrical and Computer Engineering in Tucson, AZ

invites applications for multiple tenure-track positions at the ranks of Assistant and Associate Professor with a start date of August 2023. Review of applications will begin on January 17, 2023; applications will be accepted until the position is filled.

The ECE Department at UArizona offers an innovative and inclusive environment with excellent collaboration opportunities in cybersecurity, networking, wireless communications, quantum information processing, coding and information theory, machine learning, autonomous systems and robotics, embedded systems, computer architecture, as well as in biomedical technologies, optics, photonics, software engineering, and cloud/distributed computing.

<https://arizona.csod.com/ux/ats/careersite/4/home/requisition/12591?c=arizona>

## University of Arizona

### *Assistant Professor, Tenure Track, Game Development*

The School of Information at the University of Arizona seeks multiple tenure-track Assistant Professors with a record of research in game development to begin in mid-August, 2023. We are especially interested in candidates who are well-versed in technical game development and/or those who bring a record of working on interdisciplinary/transdisciplinary funded grant teams.

We welcome all candidates working within game development, but are especially interested in candidates with

any of the following expertise:

- Novel interactions and game mechanics.
- Innovative implementation techniques or algorithms.
- Serious games/games developed for improved player experiences (e.g., games for health, wellbeing, and learning).
- Novel controls, input, and display technologies.
- Tools for game creation (e.g., game engines).
- Virtual, augmented, and mixed reality.

[APPLY HERE](#)

## University of Arizona

### *Postdoctoral Position: Educational Aspects of Reverse Engineering*

The purpose of this postdoctoral position is to run the project “LIGERLabs: Educational Modules for (Anti-)Reverse Engineering” that was recently funded by NSF under the SaTC/EDU program. This work builds lectures, tools, and exercises to improve students’ abilities in Reverse Engineering and Anti-Reverse Engineering. The goal is threefold: to give students the mental tools necessary to understand the low-level nature of many of the security issues seen today, to increase student proficiency in dissecting and analyzing different forms of executable code, and to ensure students are familiar with techniques for protecting against such attacks. This is a year to year appointment up to 2nd year contingent upon funding and performance.

Please apply at <https://arizona.csod.com/ux/ats/careersite/4/home/requisition/12678>.

## University of California - San Diego

### *Assistant, Associate, or Full Professor Biomedical Image Analysis and Processing - Chancellor’s Joint Initiative: CSE/Neurosurgery*

The UC San Diego Department of Computer Science and Engineering (CSE) in partnership with the Department of Neurological Surgery invites applications for a tenure-track faculty position (at any level including Assistant Professor, tenured Associate Professor, and Full Professor) at the intersection of computer vision and neurosurgery. We are looking for applicants who have a strong research record in the area of computer vision with a focus on applications of computer vision techniques to surgery and medicine including, for example, multimodal registration of preoperative and intraoperative image and video data; recognition, tracking, and activity recognition in the operating room; computer vision for surgical safety, workflow understanding, monitoring, postoperative outcome, and physician training; analysis of endoscopic and laparoscopic images and videos; computer vision for frameless stereotactic navigation; tracking, reconstruction, recognition of non-rigid objects including anatomical structures. Successful applicants will hold a joint appointment between the CSE Department (in the Jacobs School of Engineering) and the Department of Neurosurgery (in the School of Medicine).

We are looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and will be required to teach university students. We are particularly seeking faculty passionate about applications to surgery, working with graduate students and training the next generation of researchers.

For the Assistant Professor, applicants must have a Ph.D. or advancement to candidacy in Computer Science & Engineering or related disciplines is required at the time of application.

For the Associate or Full Professor, Applicants must have a Ph.D. in Computer Science & Engineering or a related disciplines is required at the time of application.

Salary and rank will be commensurate with qualifications in conformance with University of California policies.

The CSE Department and the Neurological Surgery Department are committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, candidates demonstrating a potential or past contributions to a climate that supports equity, diversity, and inclusion are highly desired. The application requires a Contribution to Diversity statement that should highlight well-articulated plan building on past experiences creating or contributing to programs that aim to increase access and success of underrepresented students and faculty in engineering. For further information and guidance on preparing contributions to diversity statements, see:

[https://jsoe-ap.ucsd.edu/sites/jsoe-ap.ucsd.edu/files/academic-personnel/diversity/C2D\\_Expectations.pdf](https://jsoe-ap.ucsd.edu/sites/jsoe-ap.ucsd.edu/files/academic-personnel/diversity/C2D_Expectations.pdf) and <http://facultydiversity.ucsd.edu/recruitment/contributions-to-diversity.html>

CSE is home to over 70 faculty and 1,000 graduate students who span a range of research areas in computer science, computer engineering and bioinformatics. In addition, the department works closely with multiple centers which provide unique opportunities and resources. More information can be found at <http://www.cse.ucsd.edu>.

The Department of Neurological Surgery has 20 faculty that represent 6 subspecialty areas and provides the full range of contemporary neurosurgical practice. Using a multidisciplinary approach, we provide care to diagnose, treat, and rehabilitate patients with neurological disorders. We also offer residency and fellowship opportunities, and conduct path-defining research that is advancing the field. Neurological Surgery and Neurosciences improved in US News & World Report ranking from top 50 to being in the top 25 programs. More information can be found at <https://neurosurgery.ucsd.edu/index.html>.

We encourage candidates to send applications as soon as possible. Review of applications will commence on February 1, 2023 and continue until positions are filled.

For applicants with interest in spousal/partner employment, please see the UCSD Partner Opportunities Program. <https://aps.ucsd.edu/recruitment/pop/index.html>

To apply and for additional information see website below. Applications must be submitted through the University of California San Diego's Academic Personnel RECRUIT System:

**Assistant Professor:**

<https://apol-recruit.ucsd.edu/JPF03460>

**Associate/Full Professor:**

<https://apol-recruit.ucsd.edu/JPF03461>

## University of Central Florida

*Assistant Professor or Associate Professor, Cyber Security and Privacy Areas Computer Science or Mathematics*

The Department of Computer Science (CS) and the Department of Mathematics (Math) at the University of Central Florida (UCF) are seeking three full-time, 9-month faculty positions at the rank of assistant professor (tenure-earning), associate professor or professor (tenured) in the area of cyber security and privacy, with concentrations in one of the areas described below. The anticipated start date is August 8, 2023.

- Area A (Math): Cryptography, applied cryptography, and intersection of algorithm and cryptography (e.g., quantum cryptography, post-quantum crypto, etc.). One faculty position is anticipated for this area.
- Area B (Computer Science): Cloud, Edge, and IoT security (e.g., serverless computing, container security, etc.), system software, software supply chain security, and the security of Cyber Physical System, etc. Two faculty positions are anticipated for this area.

These positions will be expected to strengthen both the tenure home department (Math or CS, as applicable), as well as the Cyber Security and Privacy Cluster and may include a combination of secondary joint appointments. The ideal candidates will be in the rank of assistant professor, but exceptional candidates at the rank of associate professor or professor will be considered. The ideal candidates will have a strong background in the areas listed.

UCF requires all applications and supporting documents to be submitted electronically through the Human Resources employment opportunities website, <https://www.ucf.edu/jobs/>.

## University of Central Florida

*Multiple Positions for Assistant, Associate or Full Professor, Artificial Intelligence Initiative*

The Artificial Intelligence Initiative (Aii) at the University of Central Florida (UCF) is accepting applications from strong candidates for multiple 9-month, full-time faculty positions at the rank of assistant professor (tenure-earning) and associate professor or professor (tenured) in core areas of AI and their applications including: Computer Vision, Natural Language Processing, Robotics, Machine Learning, Data Analytics, FinTech, Smart Cities, Connected and Automated Vehicles, Cyber Security, Mathematical Aspects of Deep Learning, Theory of AI and Data Science, Brian-Inspired Ai, Biomedical Applications, Smart Materials, Smart



Mobility, Genomics and Computational Biology, as well as Innovative Computing domains including but not limited to Optical Computing, Neuromorphic Computing and AI in Next generation of Wireless Communication Systems.

Aii is a multi-college initiative at UCF involving the Colleges of Engineering and Computer Science, Sciences, Medicine, Business, and Optics and Photonics. Candidates with publications in the most selective conferences and journals are strongly encouraged to apply. We anticipate that close to thirty new AI faculty members will be hired, with qualified candidates tenured in corresponding colleges.

UCF is one of the nation's largest universities with a diverse student body of more than 70,000 students. UCF is an economic engine, attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation.

Minimum Qualifications:

A Ph.D., M.D., or equivalent degree from an accredited institution in an area appropriate to this position at the time of the appointment.

Preferred Qualifications:

- Highly recognized contributions and leadership in the area(s) of expertise.
- Demonstrated strong research publication record in the most selective conferences and journals.

- Effective teaching skills, and ability to effectively communicate with students.
- High potential to initiate and obtain funding.

To apply, refer to <https://www.ucf.edu/jobs/> and search for job announcement R102905. In addition to the online application, interested candidates should upload a cover letter, a current curriculum vitae, and a list with contact information for three (3) professional references.

For more information, contact Linda Lockey, Administrative Support, at [Linda.Lockey@ucf.edu](mailto:Linda.Lockey@ucf.edu)

### Equal Employment Opportunity Statement

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>.

As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request. The UCF's affirmative action plans for qualified individuals with disabilities and protected Veterans are available for inspection in the Office for Institutional Equity, Monday through Friday, from 9:00 a.m. to 5:00 p.m., upon request.

## University of Central Florida

*Associate Professor or Professor, Finance*

The Department of Finance at the University of Central Florida seeks to fill an associate or professor position. The successful candidate is expected to provide senior leadership in the Department's new Master of Science in FinTech program. It is the first program of its kind developed in partnership and offered by the College of Business Administration and the College of Engineering and Computer Science. The program combines finance and computer science courses to prepare graduates to succeed in the emerging Financial Technology industry. This is a nine-month, tenured position to start on August 8, 2023 (fall 2023 semester).

### Minimum Qualifications:

*Ph.D.in* Computer Science, MIS, Finance, or a related field from an accredited institution.

To be eligible for appointment as a tenured associate professor or professor upon hire, the selected candidate must have a demonstrated record teaching, research, and service commensurate with a tenured faculty appointment at the rank of associate professor or professor.

### Preferred Qualifications:

There is a preference for candidates with an established record of graduate teaching experience in FinTech related courses such as Blockchains and Smart Distributed Contracts, Full Stack Development, and Artificial Intelligence.

An established record of research and peer-reviewed publications, preferably in FinTech-related fields.

## Additional Application Materials Required:

UCF requires all applications and supporting documents to be submitted electronically through the Human Resources website:

[https://ucf.wd1.myworkdayjobs.com/careers/job/Orlando-FL-Main-Campus/Associate-Professor-or-Professor--Finance\\_R102288-2](https://ucf.wd1.myworkdayjobs.com/careers/job/Orlando-FL-Main-Campus/Associate-Professor-or-Professor--Finance_R102288-2)

## University of Central Florida

### *Assistant Professor, Disability, Aging and Technology*

The University of Central Florida (UCF) has established interdisciplinary clusters to strengthen its academic offerings and research mission. In support of this effort, we will hire two tenure-track assistant professors for the Disability, Aging and Technology cluster.

The Disability, Aging and Technology (DAT) cluster is a partnership among six colleges: Health Professions and Sciences, Nursing, Sciences, Engineering and Computer Science, Hospitality Management, Medicine, and the Nanoscience Technology Center at UCF. The DAT cluster seeks transdisciplinary engagement in research and education to link health and wellness interventions with technology applications so effective and feasible health, behavioral, and assistive technologies can be used with diverse populations. Visit our website to learn more

about the cluster: <https://www.ucf.edu/research/disability-aging-technology/>.

Both positions are interdisciplinary and are expected to strengthen both the cluster and the candidate's tenure home (departments such as Computer Science, Electrical and Computer Engineering, Mechanical and Aerospace Engineering, Materials Science and Engineering, etc.)

We seek experienced candidates in the areas of cooperative co-robotics, wearable systems, and neural stimulation technologies. More specifically related to the DAT cluster, a successful candidate will be able to contribute to one or more of the following subject areas (but not limited to): soft-robotics, human-robot interaction, rehabilitation robotics, telerehabilitation, computer vision for health monitoring, wearable robots, assistive robotics, haptics, tactile sensing, brain-machine interface, neural technologies, and new adaptive nano/micro materials for next generation assistive robotics, including flexible hybrid materials/electronics.

For more information or to apply, go to: [https://ucf.wd1.myworkdayjobs.com/en-US/careers/job/Assistant-Professor--Disability--Aging-and-Technology-Cluster\\_R102595](https://ucf.wd1.myworkdayjobs.com/en-US/careers/job/Assistant-Professor--Disability--Aging-and-Technology-Cluster_R102595) or [www.ucf.edu/jobs](http://www.ucf.edu/jobs), search keywords "disability cluster"

## University of Central Florida

### *Assistant Professor, Associate Professor, or Professor, Digital Twin Strategic Initiative (KDT)*

The UCF KDT Initiative is inviting applications for multiple 9-month, full-

time faculty positions at the rank of assistant professor (tenure-earning) and associate professor or professor (tenured) in areas related to Digital Twins. We will consider candidates with expertise in areas relevant to KDT's vision. Candidates who can support our strategic focus on understanding and addressing the challenges of systems of systems integration as well as applied multidisciplinary research interests are especially encouraged to apply. We invite applications from candidates with strong background in the following areas:

- Modeling and Simulation
- Systems of systems
- High Performance Computing
- Human Digital Twin (AI/ML applications) Software/hardware system integration/ system design, including immersive display and interaction systems
- IOT/sensors/communications and controls -- emerging new control applications based on the advances of ubiquitous sensing, computation, and communication systems
- Data structures, standards, network management
- Health, human performance, and kinesiology
- Digital Twin applications in Smart Cities including civil engineering infrastructure and transportation system, energy, environment, etc.
- DT and education
- DT applications of all areas in Engineering, humanities, medicine, STEM, and others

Faculty hired under the KDT initiative are expected to develop strong research activities aligned with the overarching vision of the initiative, develop new and participate in existing multidisciplinary activities and projects, train postdoctoral scholars, serve as primary advisor for graduate students, and will be encouraged to also mentor and interact with undergraduate students. The tenure home of the candidate will be assigned according to the main area of expertise in the School of Modeling, Simulation, and Training (SMST) or any of the College of Engineering and Computer Science (CECS) departments, with the possibility of joint appointments with other colleges.

UCF requires all applications and supporting documents be submitted electronically through the Human Resources employment opportunities website, <https://www.ucf.edu/jobs/>.

## University of Georgia

### *Director, School of Computing*

The University of Georgia (UGA) invites applications and nominations for the position of **Director of the School of Computing (SoC)**. This is an exceptional opportunity to serve as the first permanent Director of UGA's newest School. Approved by President Jere W. Morehead in July 2022, the School is a joint venture between UGA's Franklin College of Arts and Sciences and the College of Engineering. The SoC enrolls almost 1500 undergraduate majors and another 235 graduate students and is home to 35 full-time faculty who carry out research in computer science, cybersecurity, machine learning, computer vision, and a host of

related areas. The Director of the SoC will work collaboratively with the Dean of Arts and Sciences and the Dean of Engineering to support the School and will report to the Deans. For further information about the SoC, consult <https://computing.uga.edu>.

The University seeks candidates who are innovative and accomplished leaders in computer science and related areas, who can articulate a compelling vision for the future of computing at a major public research university, and who have a demonstrated commitment to enhancing diversity and is dedicated to furthering an accessible and inclusive campus environment.

### **Required Qualifications:**

- An earned doctorate in computer science, or a related field;
- An excellent and sustained record of scholarly accomplishment, as evidenced through peer-reviewed publications and related contributions, that would merit appointment as a tenured Professor at the University of Georgia;
- To be eligible for tenure upon appointment, candidates must have been tenured at a prior institution and bring a demonstrably national reputation to UGA. Candidates must be approved for tenure upon appointment before hire. For more information regarding the rank and tenure on appointment, please see the [UGA Guidelines for Appointment, Promotion and Tenure](#).

Candidates are encouraged to submit materials by Friday, January 27, 2023. Please see the full job posting at: <https://www.ugajobsearch.com/postings/291262>. For additional

information, contact Christopher Steele with the UGA Search Group at 706-977-9214 or [Christopher.Steele@uga.edu](mailto:Christopher.Steele@uga.edu).

EOE/AA/Veteran/Disability Institution

## University of Hawai'i at Mānoa

### *Assistant Professor Computer Science (2 positions)*

The Department of Information and Computer Sciences at the University of Hawai'i at Mnoa invites applications for two full-time, tenure-track Assistant Professor positions starting in the 2023-2024 academic year. The Hawaii State Legislature has appropriated these positions with the intent to help meet the state's strategic goal of increasing expertise in computing and information sciences.

The department welcomes applications in all areas of computer science, especially software engineering, data management and analytics (including database engineering), algorithms, programming languages, systems, cyberinfrastructure, and artificial intelligence/machine learning.

The University of Hawai'i at Mnoa, a Carnegie R1 research university and the flagship campus of the UH system, is a top-50 public university dedicated to providing world-class teaching, research, and service in a multicultural and inclusive environment.

### **Duties**

Teach and develop courses in information and computer sciences; develop an

extramurally funded research program; publish outstanding work in leading scholarly journals and conference proceedings; supervise graduate students; mentor and advise undergraduates; participate in capstone project mentoring; provide department, college, and university service.

## To Apply

We encourage candidates to send applications as soon as possible. Review of applications will commence on January 15, 2023 and continue until positions are filled.

To obtain application details and upload application materials, please visit the following URL at the University of Hawai'i Career Opportunities website:

<https://www.schooljobs.com/careers/hawaii.edu/jobs/3844018/assistant-professors-of-computer-science>

## EEO/AA

The University of Hawai'i is an equal opportunity/affirmative action institution and is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin, ancestry, disability, marital status, sexual orientation, status as a protected veteran, National Guard participation, breastfeeding, and arrest/court record (except as permissible under State law).

## University of Illinois at Chicago

### *Research Assistant Professor in the Foundations of Data Science*

The Department of Mathematics, Statistics and Computer Science at the University of Illinois at Chicago invites applicants for a Research Assistant Professor in the Foundations of Data Science (normally renewable annually to a maximum of two years) as part of interdisciplinary activities under a collaborative grant which form The Institute for Data, Econometrics, Algorithms, and Learning (IDEAL): <http://ideal-institute.org/>.

The position carries a teaching responsibility of up to one course per year and the expectation that the incumbent interacts with researchers across IDEAL-affiliated units in the Chicago area. For more details including deadlines see the official advertisement at [mcs.uic.edu/people/employment](https://mcs.uic.edu/people/employment) or at [mathjobs.org](https://mathjobs.org).

The University of Illinois at Chicago is an Equal Opportunity, Affirmative Action employer including Disability/Vets.

## University of Illinois at Chicago

### *Teaching Track Faculty - Computer Science*

#### EXTENDED SEARCH

UIC is among the nation's preeminent urban public research universities, a Carnegie RU/VH research institution, and the largest university in Chicago. UIC serves over 34,000 students, comprising

one of the most diverse student bodies in the nation and is designated as a Minority Serving Institution (MSI), an Asian American and Native American Pacific Islander Serving Institution (AANAPSI) and a Hispanic Serving Institution (HSI). Through its 16 colleges, UIC produces nationally and internationally recognized multidisciplinary academic programs in concert with civic, corporate and community partners worldwide, including a full complement of health sciences colleges. By emphasizing cutting-edge and transformational research along with a commitment to the success of all students, UIC embodies the dynamic, vibrant and engaged urban university. Recent "Best Colleges" rankings published by U.S. News & World Report, found UIC climbed up in its rankings among top public schools in the nation and among all national universities. UIC has nearly 260,000 alumni, and is one of the largest employers in the city of Chicago.

### **Teaching Track Faculty Openings in Computer Science**

The Computer Science Department at the University of Illinois Chicago (UIC) seeks to hire full-time teaching faculty (Lecturer or Clinical Professor). Candidates would work alongside 17 full-time teaching faculty with over 150 years of experience and 13 awards for excellence. Standard teaching load is three course sections per semester.

UIC is one of the top-ten most diverse universities in the US (US News and World Report), a top 25 public and top 10 best value (Wall Street Journal and Times Higher Education), and a Hispanic-serving institution. The department seeks

candidates interested in all areas of computer science. **Submit applications online at <https://jobs.uic.edu>.** Include:

- A curriculum vitae,
- Contact information for at least three references,
- One-page statement on your teaching philosophy and how it is inclusive to a diverse student population,
- Recordings of teaching activities (optional), and
- recent teaching evaluations (optional).

For more information, send e-mail to [cs-ntt-search@uic.edu](mailto:cs-ntt-search@uic.edu). For fullest consideration, apply by 11/17/22. Applications will be accepted and reviewed until the positions are filled.

### Qualifications:

The Lecturer track is a long-term career track that starts with Lecturer and offers opportunities for advancement to Senior Lecturer. Minimum qualifications include an MS in Computer Science or a closely related field.

The Clinical Professor track is a long-term career track that starts with Clinical Assistant Professor and offers advancement to Clinical Associate and Clinical Full Professor. Minimum qualifications include a PhD in Computer Science or a closely related field. Candidates interested in Computer Science Education research or collaborating in the department's existing Computer Science research are encouraged to apply.

The University of Illinois at Chicago is an affirmative action, equal opportunity

employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, protected veteran status, or status as an individual with a disability.

Offers of employment by the University of Illinois may be subject to approval by the University's Board of Trustees and are made contingent upon the candidate's successful completion of any criminal background checks and other pre-employment assessments that may be required for the position being offered. Additional information regarding such pre-employment checks and assessments may be provided as applicable during the hiring process.

As a qualifying federal contractor, the University of Illinois System uses E-Verify to verify employment eligibility.

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 [here](#).

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.

## University of Illinois Chicago

*Open Rank Tenure Track Professor  
Computer Science*

### *About the University of Illinois Chicago*

UIC is among the nation's preeminent urban public research universities, a Carnegie RU/VH research institution, and the largest university in Chicago. UIC serves over 34,000 students, comprising one of the most diverse student bodies in the nation and is designated as a Minority Serving Institution (MSI), an Asian American and Native American Pacific Islander Serving Institution (AANAPSI) and a Hispanic Serving Institution (HSI). Through its 16 colleges, UIC produces nationally and internationally recognized multidisciplinary academic programs in concert with civic, corporate and community partners worldwide, including a full complement of health sciences colleges. By emphasizing cutting-edge and transformational research along with a commitment to the success of all students, UIC embodies the dynamic, vibrant and engaged urban university. Recent "Best Colleges" rankings published by U.S. News & World Report, found UIC climbed up in its rankings among top public schools in the nation and among all national universities. UIC has nearly 260,000 alumni and is one of the largest employers in the city of Chicago.

### Description:

#### Position Summary

The Computer Science (CS) department at the University of Illinois at Chicago,

in conjunction with the Center of Bioinformatics and Quantitative Biology (CBQB), is seeking an outstanding faculty candidate in computational biology at the rank of assistant or associate professor. Candidates in all areas of computational biology are encouraged to apply.

The UIC CS department currently has 42 tenure-system faculty, 5 research faculty, and 17 clinical/teaching faculty, with strong and broad research agendas, ranging from machine learning, theory, database, and systems. Faculty at the CBQB conduct research in bioinformatics, biophysics, systems biology, and multi-scale modeling. There is a vibrant research environment in bioinformatics and computational biology at UIC, with well-established collaborations among faculty from CS, CBQB, College of Liberal Arts and Sciences, and College of Medicine.

We are seeking innovative and collaborative individuals who will develop his/her independent research programs in computational biology. Successful candidates will have ample opportunities to collaborate with faculty members from CS, CBQB, and other engineering departments, as well as basic science and clinical departments in the College of Medicine, and College of Liberal Arts and Sciences. There are additional collaboration opportunities with the University of Illinois Cancer Center, the Center for Clinical and Translational Science, and UI Hospital and Health Sciences at UIC.

The CS department is located in the heart of Chicago. Construction of a new building housing CS department is under way and is

expected to open in 2023. The building will include 80 faculty offices, 16,000 square feet of classroom space, 23 shared student offices, numerous collaborative learning and teaching spaces, and a geothermal farm to assist with sustainable heating and cooling. The salary and start-up package will be highly competitive and commensurate with the level of excellence expected of successful applicants.

Candidates should have a PhD in Computer Science, Bioengineering, Bioinformatics or closely related fields, and the potential for excellence in research, teaching, and student mentoring. Applications must be submitted at <https://jobs.uic.edu/>, and must include a 1-page cover letter, curriculum vitae, teaching, research, and diversity statements. Links to a professional website such as Google Scholar or Research Gate are recommended. Candidate's cover letter should include a description of how multicultural issues have been or will be brought into courses and a description of previous activities mentoring minorities, women, or members of other underrepresented groups. Names and addresses of at least three references should also be provided. Applicants may contact the faculty search committee at [cs-compbio-tt-search@uic.edu](mailto:cs-compbio-tt-search@uic.edu) for more information.

Fullest consideration will be given to applications received by January 10, 2023, but applications will be considered until the position is filled.

We are committed to building a diverse faculty preeminent in its missions of research, teaching, and service to the community. Candidates who have experience engaging with a diverse

range of faculty, staff, and students, and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials. UIC offers religious holidays and encourages flexible working hours.

UIC is a major public research university (Carnegie R1) with about 3,100 faculty, 34,000 students, and a total of \$446 million sponsored research awarded in 2022. UIC is committed to increasing access to education, employment, programs, and services for all. UIC is committed to supporting the success of dual-career couples.

Chicago epitomizes the modern, livable, vibrant, and diverse city. World-class amenities such as the lakefront, arts and culture venues, architecture, festivals, and two international airports make Chicago a singularly enjoyable place to live. Yet the cost of living, whether in an 88th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is remarkably affordable. Chicago is voted the 2nd best city in the world in 2022 according to the Time-Out Index.

## Duties & Responsibilities

Research  
Teaching  
Student Mentoring

## Qualifications:

### Minimum Qualifications

PhD in Computer Science, Bioengineering, Bioinformatics or closely related fields

The University of Illinois at Chicago is an affirmative action, equal opportunity

employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, protected veteran status, or status as an individual with a disability.

Offers of employment by the University of Illinois may be subject to approval by the University's Board of Trustees and are made contingent upon the candidate's successful completion of any criminal background checks and other pre-employment assessments that may be required for the position being offered. Additional information regarding such pre-employment checks and assessments may be provided as applicable during the hiring process.

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit <https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899>.

## University of Illinois Urbana-Champaign

*The Grainger College of Engineering*

*Professor (Open Rank) Computer Science*

The Department of Computer Science at the University of Illinois Urbana-Champaign invites applications for full-time tenure-track faculty positions at all levels (Assistant Professor, Associate

Professor, Full Professor). While we welcome applications from exceptional candidates in all areas, we particularly encourage applications from candidates working in quantum computing; parallel computing; computing systems; interactive and social computing (HCI, wearable computing, AR/VR, graphics, computational social science, fairness); ML systems and architectures; and speech & audio. We also are interested in expanding in interdisciplinary areas such as bioinformatics, digital healthcare; digital manufacturing; computational brain, environmental, or climate sciences; and robotics, among others.

Applicants are required to have (or expected to receive) a Ph.D. or equivalent terminal degree in Computer Science or a related field. Additional qualifications include the ability to teach effectively at both the graduate and undergraduate levels and the potential to initiate and carry out independent research.

We seek applicants that will contribute to the diverse, vibrant, and inclusive atmosphere in the department as we strive to make computing's remarkable opportunities available to everyone through the continued expansion of our research and teaching activity in Urbana-Champaign, in Chicago, and online. Quantum computing faculty will engage with a growing campus and state-wide quantum research community through the new Illinois Quantum Information Science and Technology Center (IQUIST) and the Chicago Quantum Exchange.

Qualified senior candidates may be considered for tenured Associate

Professor and Full Professor positions as part of the Grainger Engineering Breakthroughs Initiative in which 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, quantum, big data, machine learning, and robotics. More information about the Grainger Initiative can be found at <https://grainger.illinois.edu/research/initiatives/gebi>.

A full description of this position announcement can be found at <https://cs.illinois.edu/faculty-positions>

Application review and interviewing will begin immediately. Applications received by November 15, 2022 will receive full consideration, but applications will be accepted until all positions are filled. Salary will be commensurate with qualifications. The preferred starting date is August 16, 2023 but is negotiable.

Please visit <https://jobs.illinois.edu> to view the complete position announcement and application instructions. Applicants who desire confidentiality should explicitly mention this in the first paragraph of their cover letter. For inquiry, please email [cs-facultysearch@illinois.edu](mailto:cs-facultysearch@illinois.edu).

The University of Illinois System is an equal opportunity employer, including but not limited to disability and/or veteran status, and complies with all applicable state and federal employment mandates. Please visit Required Employment Notices and Posters to view our non-discrimination statement and find

additional information about required background checks, sexual harassment/misconduct disclosures, COVID-19 vaccination requirement, and employment eligibility review through E-Verify.

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 (<https://provost.illinois.edu/faculty-affairs/work-life-balance/>).

Applicants with disabilities are encouraged to apply and may request a reasonable accommodation under the Americans with Disabilities Act (2008) to complete the application and/or interview process. Requests may be submitted through the reasonable accommodations portal, or by contacting the Accessibility & Accommodations Division of the Office for Access and Equity at 217-333-0885, or by emailing [accessibility@illinois.edu](mailto:accessibility@illinois.edu).

## 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 multiple teaching positions to support the continued expansion of our teaching activity in Urbana-Champaign, in Chicago, and online. We welcome applications from talented and innovative instructors able to teach across the computer science

curriculum and are particularly interested in candidates who can teach algorithms and theory, artificial intelligence, data and information systems, data science, systems, AR/VR, graphics and visualization and introductory courses in computer science. Applicants for Teaching Professor (all ranks) or Lecturer positions should have a terminal degree in computer science or a closely related field. Applicants for Instructor positions must have at least a B.S. 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 November 15, 2022 will receive full consideration, but applications will be accepted until all positions are filled.

To apply for this position, please create a candidate profile at <https://jobs.illinois.edu> and upload 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 [facultysearch@cs.illinois.edu](mailto:facultysearch@cs.illinois.edu). For questions regarding the application process, please contact 217-333-2137.

Successful applicants will join a large and active teaching faculty community. Our department's 23 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>.

The University of Illinois System is an equal opportunity employer, including but not limited to disability and/or veteran status, and complies with all applicable state and federal employment mandates. Please visit Required Employment Notices and Posters to view our non-discrimination statement and find



additional information about required background checks, sexual harassment/misconduct disclosures, COVID-19 vaccination requirement, and employment eligibility review through E-Verify.

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 (<https://provost.illinois.edu/faculty-affairs/work-life-balance/>).

Applicants with disabilities are encouraged to apply and may request a reasonable accommodation under the Americans with Disabilities Act (2008) to complete the application and/or interview process. Requests may be submitted through the reasonable accommodations portal, or by contacting the Accessibility & Accommodations Division of the Office for Access and Equity at 217-333-0885, or by emailing [accessibility@illinois.edu](mailto:accessibility@illinois.edu).

## University of Louisville

### Tenure-Track Assistant Professor

The Department of Computer Science and Engineering (CSE) at the University of Louisville invites applications for a tenure-track Assistant Professor position. We seek candidates in all areas of computer science; however, candidates with core research interests in areas that strengthens and complements the department existing research groups are especially encouraged to apply.

The department offers ABET-accredited BS and MENG degrees in CSE, a BA degree

in CS, an MS degree in CS, and a PhD degree in CSE. Successful candidates will be expected to teach core undergraduate CSE courses, in addition to graduate level courses in their research areas; develop a visionary, externally funded research program commensurate with the expectations of an R1 university along with a commitment to high-quality teaching; mentor diverse students; participate in all aspects of the department's mission; and serve the profession.

The University of Louisville strives to foster and sustain an environment of inclusiveness that empowers us all to achieve our highest potential without fear of prejudice or bias and are committed to increasing the diversity of the campus community, and is especially interested in candidates who can contribute, through their research, teaching and/or service, to this mission.

Review of applications will commence on January 4, 2023 and will continue until the position is filled. Applicants must apply online at <http://www.louisville.edu/jobs> and submit: (1) a cover letter clearly stating the position name and job ID number (44631); (2) a curriculum vitae (including the names and contact information of at least three referees); (3) a research statement; (4) a teaching statement; and (5) a diversity statement that articulates the candidate's track record and plans related to advancing diversity, inclusion and belonging.

The full position description and application details can be found at the following link:

<https://www.higheredjobs.com/institution/details.cfm?JobCode=178162202&Title=Assistant%20Professor%20%28Job%20Id%3A%2044631%29&qID=7137>

## University of Manitoba

### Assistant/Associate/Professor

The Department of Computer Science at the University of Manitoba is seeking 6 (six) professors for Probationary (Tenure-track) or Tenured positions at the rank of Assistant Professor or Associate Professor, commencing July 1, 2023, or on a date mutually agreed upon. Exceptional candidates at the full Professor level will also be considered. Salary and rank will be commensurate with experience and qualifications. The Department is seeking scholars with a commitment to excellence in teaching and research, and a collegial approach to departmental affairs. Outstanding candidates in all areas of Computer Science will be considered, with particular emphasis on candidates who will complement or extend the department's strengths: Algorithms and Theory of Computation, Artificial Intelligence and Machine Learning, Bioinformatics, Computational Finance, Data Mining, Human-Computer Interaction, Parallel and Distributed Computing, Privacy and Security. The successful candidate(s) will hold a Ph.D. in Computer Science or a related field by the appointment date. Post-doctoral experience is preferred, and other distinguishing experience will be considered.

Complete Information: <https://viprecprod.ad.umanitoba.ca/default.aspx>

## University of Maryland

### Postdoctoral Researcher

We are looking for candidates for a postdoc position at the University of Maryland (UMD), College Park, working with Prof. Matthias Zwicker. The intended research area for this position is at the intersection of 3D reconstruction from images, inverse rendering, and deep learning. The position is initially for one year, with an option to extend it to two years. The start date can be negotiated.

Required qualifications for this position include a PhD in Computer Science with a specialization in Computer Graphics or Computer Vision, expertise in cutting edge neural network techniques, a thorough background on mathematical techniques for graphics and vision, excellent programming skills, and an outstanding record of academic publications.

Please send your application including CV, academic transcripts, and names of at least three references via e-mail to [zwicker@umd.edu](mailto:zwicker@umd.edu).

The University of Maryland Department of Computer Science (<https://cs.umd.edu>) has more than 50 tenure-track faculty members and a strong focus on research in Computer Vision, Computer Graphics, and AI. It is located in the state-of-the-art Brendan Iribe Center for Computer Science and Engineering (<https://iribe.umd.edu>), in close proximity to Washington DC.

## University of Missouri-Kansas City

### Assistant/Associate/Full Professor-Position #44509

The University of Missouri-Kansas City (UMKC) Division of Energy, Matter and Systems (EMS) is seeking applications for a cluster hire for full-time, 9-month, benefit-eligible, ranked tenure-eligible faculty positions in RF & Electromagnetics at the Assistant, Associate, or Full Professor level, starting in Fall 2023.

Candidates in all areas of RF & Electromagnetics are encouraged to apply with particular emphasis on: RF Integrated Circuits (RFIC), Microwave/RF Components Design and Fabrication/Integration; Metamaterials and Metasurfaces; Terahertz Science and Components; Applied Electromagnetics in Wireless Communication, Radar, and Antennas; Reconfigurable Intelligent Surfaces; and Electromagnetic Compatibility and Interference. Successful applicants will have access to the state of the art electromagnetic and RF facilities at the SSE and the Missouri Institute of defense and Energy (MIDE). These facilities include state of the art antenna fabrication, antenna characterization, and high-power electromagnetic (HPEM) capabilities. See <https://sse.umkc.edu>.

Apply via the UMKC online application. Use Chrome browser and go to <https://info.umkc.edu/hr/careers/academic-positions/>. Click on View Jobs. Then search for 44509 (the position number), then click on the position for the full job description. At the top right will be

an Apply for Job link, click on it (you will be asked to register if you are a new user). Combine all application materials (a letter of interest and teaching philosophy, curriculum vitae, current contact information for a list of at least five current references) into one PDF or Microsoft Word document and upload as a resume attachment.

**UMKC is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer.**

## University of Missouri-Kansas City

### Assistant/Associate/Full Professor-Position #43612

The University of Missouri-Kansas City (UMKC) Division of Computing, Analytics & Mathematics (CAM) is seeking applications for full-time, 9-month, benefit-eligible, ranked tenure-eligible faculty positions in Computer Science at the Assistant, Associate, or Full Professor level, starting in Spring or Fall 2023. Areas of interest include AI, AR/VR, Cybersecurity, Data Science, and other emerging fields. CAM offers undergraduate degrees in Computer Science (ABET-accredited), Information Technology (ABET-accredited), and Mathematics, MS degrees in Computer Science, Data Science, Mathematics, and Statistics, and Ph.D. degrees in Computer Science, Computer Networking and Communication Systems, and Mathematics. See <https://sse.umkc.edu>.

Apply via the UMKC online application. Use Chrome browser and go to <https://info.umkc.edu/hr/careers/academic-positions/>.

Click on View Jobs. Then search for 43612 (the position number), then click on the position for the full job description. At the top right will be an Apply for Job link, click on it (you will be asked to register if you are a new user). Combine all application materials (a letter of interest and teaching philosophy, curriculum vitae, current contact information for a list of at least five current references) into one PDF or Microsoft Word document and upload as a resume attachment.

**UMKC is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer.**

## University of Missouri-Kansas City

*Assistant/Associate/Full Professor - Position #44473*

The University of Missouri-Kansas City (UMKC) Division of Energy, Matter and Systems (EMS) is seeking applications for a cluster hire for full-time, 9-month, benefit-eligible, ranked tenure-eligible faculty position in Robotics & Autonomous Systems at the Assistant, Associate, or Full Professor level, starting in Fall 2023. Candidates in all areas of Robotics & Autonomous Systems are encouraged to apply with particular emphasis on: Biomechanical Robotics; Unmanned Aircraft; Human-Machine Teaming; Multi-Agent Systems; Automated Manufacturing; and others. Successful applicants will have access to facilities at the SSE and the Missouri Institute of Defense and Energy (MIDE). These facilities have been used to support \$50M in externally awarded grants and contracts from

various federal agencies including DOD, NSF, and NIH. See <https://sse.umkc.edu>.

Apply via the UMKC online application. Use Chrome browser and go to <https://info.umkc.edu/hr/careers/academic-positions/>. Click on View Jobs. Then search for 44473 (the position number), then click on the position for the full job description. At the top right will be an Apply for Job link, click on it (you will be asked to register if you are a new user). Combine all application materials (a letter of interest and teaching philosophy, curriculum vitae, current contact information for a list of at least five current references) into one PDF or Microsoft Word document and upload as a resume attachment.

UMKC is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer.

## University of New Mexico

*Cleve Moler & MathWorks Chair of Mathematical and Engineering Software*

The Department of Computer Science in the School of Engineering at the University of New Mexico (UNM) invites applications for the inaugural Cleve Moler & MathWorks Chair of Mathematical and Engineering Software. The Chair is intended to engage in research and education related to mathematical and engineering software that includes but is not limited to MathWorks software. The successful candidate should be eligible for appointment to a tenured faculty position in the Department of Computer Science

at entry according to school guidelines. Salary will be commensurate with the candidate's qualifications and experience. The successful candidate should be a pre-eminent internationally recognized scholar in Computer Science or related disciplines. We are particularly interested in outstanding candidates with expertise in (1) Software Engineering, (2) Numerical Methods, (3) Large Scale Computing, (4) Artificial Intelligence, (5) Computer Graphics and User Interfaces and, candidates in all areas of computing are encouraged to apply.

**UNM CS** is an interdisciplinary, family-friendly department. Our research and instruction push the boundaries of core CS, emerging CS areas, and topics at the intersection of CS and other fields. We also have strong ties to nearby Sandia and Los Alamos National Laboratories.

The professor selected to hold the Chair must hold a PhD in Computer Science or a closely related field. Preferred qualifications of the Chair include (1) demonstrated computer science leadership, (2) a research record of marked distinction and significant impact, (3) a strong commitment to undergraduate and graduate education, (4) proven teaching skills, (5) exceptional communication skills and (6) demonstrated commitment to diversity, equity, inclusion, student success, and working broadly with diverse communities. The Chair will engage in research and education related to mathematical and engineering software that includes but is not limited to MathWorks software.

For best consideration, complete applications must be received by February

5, 2023. The position will remain open until filled. **Each application must include a cover letter summarizing the applicant's experience, curriculum vitae, research statement, teaching statement**, and the names, mailing addresses, e-mails, and telephone numbers of four references (prior consent will be sought before contacting references).

**Applicants are encouraged to include in their application an optional statement, no more than one page in length, on their experiences and perspectives related to item (6) above.**

Alternatively, if appropriate, applicants may address this topic in their cover letter or in their teaching or research statements.

To apply visit: <https://unm.csod.com/ux/ats/careersite/18/home/requisition/22676?c=unm>

Req22676. Inquiries should be emailed to the Chair of the CS Department, Lydia Tapia ([letapia@unm.edu](mailto:letapia@unm.edu)).

UNM's Regents' Policy Manual, includes information about the disclosure of information about candidates for employment, located at <https://policy.unm.edu/regents-policies/section-6/6-7.html>.

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class.

## University of North Carolina at Charlotte

### *Faculty Positions in Engineering and Computing*

In response to the State of North Carolina's initiative to "engineer a smart and secure future", the William States Lee College of Engineering (LCoE), the College of Computing and Informatics (CCI) and the School of Data Science (SDS) at the University of North Carolina at Charlotte invite applications for 12 full-time tenure-track positions at all academic ranks. Successful candidates will bring either computer science expertise (artificial intelligence, cybersecurity, cloud computing, human-centered computing, etc.) or engineering domain-specific expertise, to one or more of the thematic foci of the research clusters; transformational energy systems, transportation and advanced mobility, digital manufacturing, and smart and sustainable cities. We are particularly interested in people leading transformative research and engaging in collaborative efforts at the intersection of engineering, computing, and data science. We invite diverse candidates across all these areas to apply

The proposed research cluster is part of a \$40M+ investment by the State of North Carolina and UNC Charlotte, which includes the design and construction of state-of-the-art facilities, acquisition of advanced equipment, and expansion of University undergraduate and graduate programs.

New faculty hires will join either the Williams States Lee College of Engineering (COE) or the College of Computing and Informatics (CCI). Faculty positions will be split equally between the two colleges

and candidates may express interest in joint appointment with the School of Data Science during the application process.

**Please see the following for application specifics:** <https://engr.charlotte.edu/clusterhire>

EOE

## University of North Florida

### *School of Computing - Two Tenure-track Assistant Professors*

The School of Computing at the University of North Florida is hiring two (2) tenure-earning positions at the assistant professor rank, to begin August 2023.

To apply and for a full position description, please visit <https://www.unfjobs.org/> and search for position number 300680 or 339940.

## University of Oklahoma

### *Tenure-Track, Open-Rank and Assistant Professor Positions in Computational Biology/Bioinformatics*

#### **Position Description**

As part of a sustained, multiyear, strategic growth initiative, the *School of Computer Science* in the *Gallogly College of Engineering* (GCoE) at the *University of Oklahoma* (OU) seeks applications for (1) an open-rank faculty position (assistant, associate, full) and (2) an assistant professor position, both in the area of computational biology/bioinformatics. We seek candidates whose research, teaching, and service have prepared them to be integral

contributors to the advancement of our welcoming community. The candidates who fill these positions should look to support OU's *strategic research verticals* on Integrative Life Sciences and Community & Society Transformation; be prepared to engage in multi-college, multi-campus research; and be capable of dealing with large, complex data from areas such as healthcare and medicine, including furthering collaborations between the School of Computer Science and the *OU Health Sciences Center* and the *Oklahoma Medical Research Foundation*. We welcome applicants with research interests in all areas of computational biology and bioinformatics, including single-cell -omics, meta -omics, immuno-engineering, biological network analysis, and computational modeling.

## Qualifications

Required:

- Ph.D. in Computer Science or a related field.
- Able to effectively conduct and lead research.
- Able to effectively form research collaborations.
- Able to effectively teach computer science courses at all levels.
- Able to effectively advise M.S. and Ph.D. students.
- Applicants for more senior positions require concomitant levels of experience beyond the doctorate.

Preferences:

- Demonstrated passion for teaching as well as research.

- Evidence of excellent and innovative instruction.
- History of innovative research projects.
- Demonstrated ethos of care and support of students.
- Evidence of effective mentorship and guidance of research-active students.
- History of commitment to supportive environments in the classroom, office, and lab.

## Application Instructions

Applicants should be submitted online at <https://apply.interfolio.com/117357> (open rank position) or <https://apply.interfolio.com/118439> (assistant professor position). Inquiries should be directed to the search committee chair: Dr. Chongle Pan, University of Oklahoma, [cpan@ou.edu](mailto:cpan@ou.edu).

## University of Oklahoma

*Two Rank-Renewable-Term Assistant Professors of Computer Science*

### Position Description

As part of a sustained, multiyear, strategic growth initiative, the *School of Computer Science* in the *Gallogly College of Engineering* (GCoE) at the *University of Oklahoma* (OU) seeks applications for two ranked-renewable-term assistant professor positions. We seek candidates whose teaching, research, and service have prepared them to be integral contributors to the advancement of our welcoming community. The candidates who fill these positions should look to bolster the school's academic programs at all levels including our ABET-accredited

Bachelor's of Science in Computer Science degree, and our MS and PhD degrees; support OU's *strategic plan* with a particular emphasis on *Pillar 2: Prepare Students for a Life of Success, Meaning, Service, and Positive Impact* and *Pillar 4: Become a Place of Belonging and Emotional Growth for All Students, Faculty, Staff, and Alumni*; and further our efforts at retention and graduation of our large and heterogeneous student populations. We are particularly interested in candidates with broad knowledge in computer science and/or specialized experience in software engineering.

## Qualifications

Required:

- Ph.D. in Computer Science or a related field.
- Able to effectively teach computer science courses at all levels.
- Able to effectively advise M.S. and Ph.D. students.
- Able to effectively conduct research.
- Able to effectively form research collaborations.

Preferences:

- Demonstrated passion for teaching as well as research.
- Evidence of excellent and innovative instruction.
- History of innovative research projects.
- Demonstrated ethos of care and support of students.
- Evidence of effective mentorship and guidance of research-active students.

- History of commitment to supportive environments in the classroom, office, and lab.

## Application Instructions

Applications should be submitted online at <http://apply.interfolio.com/117354>. Inquiries should be directed to the search committee chair: Dr. Dean Hougen, University of Oklahoma, [hougen@ou.edu](mailto:hougen@ou.edu).

## University of Pittsburgh

*School of Computing and Information*

*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 thirty-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. We are particularly interested in candidates with a demonstrated commitment to working with students from diverse backgrounds, and those whose teaching, service, and research will aim to address societal issues and contribute to the diverse values of our department and school.

## About the Position(s)

We have several Teaching Assistant Professor - Appointment Stream openings in the following areas:

- Computer Science
- Data Science

## Minimum required qualifications

- Candidates should hold a PhD degree in computer science, data science, information science or some closely related area
- Candidates should hold the PhD degree by September 2023

## Application Process

Individuals interested in these openings may apply at <https://sci.pitt.edu/recruiting>. A completed application includes a cover letter, curriculum vitae, teaching statement, statement of commitment to creating a diverse and inclusive community, the names and contact information for at least three recommenders for applications for positions at the assistant professor level and teaching evaluations if available.

Application review will begin immediately. We anticipate that interviews will begin in January 2023. Please refer to the position descriptions for preferred qualifications and application deadlines.

The anticipated start date is September 1, 2023.

Questions about these positions and/or application status should be emailed to [sci-recruit@pitt.edu](mailto: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 thirty-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.

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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 the following openings in the tenure-stream:

- Artificial Intelligence (AI)/Machine Learning/ Natural Language Processing (Assistant Professor, Department of Computer Science)
- Quantum Computing Systems (Assistant Professor, Department of Computer Science)

## 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 2023

## 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 January 2023. Please refer to the position descriptions for preferred qualifications and application deadlines. The anticipated start date is September 1, 2023. Questions about these positions and/or application status should be emailed to [sci-recruit@pitt.edu](mailto:sci-recruit@pitt.edu).

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## University of Pittsburgh

### *School of Computing and Information*

#### *Tenure-Stream Faculty positions*

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## University of Rochester

### Data Scientist

Applications are invited for a data scientist supporting a large research program studying flow of cerebrospinal fluid in the brain. The data scientist will manage storage and analysis infrastructure, build novel analysis tools, and share data and software publicly. Data will come from MRI imaging, two-photon imaging, and fluid dynamics simulations. The data scientist will streamline workflows, provide organized storage infrastructure, and develop machine-learning algorithms for image analysis. MS or PhD in a data-intensive field is required. Experience with imaging, large data sets, and modern AI methods is key; experience with neuroscience is desirable.

Resources and opportunities for collaboration are excellent. The data scientist will be affiliated with the Goergen Institute for Data Science, make extensive use of the BlueHive computing cluster, and collaborate closely with experimentalists and modelers from five leading teams at four universities. Funds are secure for four years. We offer generous salaries with good benefits.

Available immediately. Email CV and cover letter to [d.h.kelley@rochester.edu](mailto:d.h.kelley@rochester.edu).

### More information:

<http://hajim.rochester.edu/me/sites/kelley/people/html#DataScientistOpening>

## University of South Carolina

*Department of Computer Science and  
Engineering College of Engineering and  
Computing*

### Faculty Position

The University of South Carolina invites applications for a tenure-track faculty position at open rank in the Department of Computer Science and Engineering, starting Fall 2023. The Department will consider exceptional candidates in any areas but is particularly interested in candidates whose primary research expertise is in Quantum Computing, Cyber Security, Computational Biology, or Robotics.

Eligible candidates must possess a Ph.D. in computer science or a closely related field by start date of employment (ABDs considered) and a demonstrated record of research accomplishments in their area of expertise.

Successful candidates will be expected to develop internationally recognized, externally funded research programs that complement existing strengths in the department. The ideal candidate will be able to combine two or more areas to pursue funding in interdisciplinary research. To serve the diverse student population of the university, all faculty members are expected to engage and mentor students from underrepresented groups.

Application review begins February 1st, 2023 and remains open until the position is filled. Interested applicants should apply via <https://uscjobs.sc.edu/postings/I37072> with the following



# Professional Opportunities

information: cover letter, curriculum vitae, a concise description of research and teaching plans, and names and contact information of three references.

Founded in 1801 and one of the three public universities in South Carolina, the University of South Carolina (USC) is located in Columbia, the capital and technology center of South Carolina. USC is the flagship university of the state with a diverse student population of 33,772 students. USC is one of only 32 public universities to earn the Carnegie Foundation's top-tier designations in research activity and community engagement.

USC is designated by the National Security Agency and the Department of Homeland Security as a National Center of Academic Excellence in Information Assurance and Cyber Defense Education and Research.

Cybersecurity education and research activities are centered in the Department of Computer Science and Engineering in the College of Engineering and Computing. The College of Engineering and Computing (CEC) has recently joined the IBM Quantum Hub, a worldwide community of leading Fortune 500 companies, startups, academic institutions, and national research labs working with IBM to advance quantum computing.

The Department offers B.S. degrees in Computer Science, Computer Information Systems, and Computer Engineering, M.S. and Ph.D. degrees in Computer Science and Computer Engineering, and a Graduate Certificate in Cyber Security Studies. The Department has 21 full-time faculty members (10 of whom are NSF CAREER

award recipients), an undergraduate enrollment of approximately 900 students, a graduate enrollment of 175 students, and over \$3.5 million in annual research expenditures.

The University of South Carolina does not discriminate in educational or employment

opportunities on the basis of race, sex, gender, gender identity, transgender status, age, color, religion, national origin, disability, sexual orientation, genetics, protected veteran status, pregnancy, childbirth or related medical conditions.



## Dean of the College of Engineering and Computer Science

**Search for the Dean of the College of Engineering and Computer Science  
The University of Tulsa  
Tulsa, Oklahoma**

**The University of Tulsa (TU)**, Tulsa's premier academic and research institution, seeks an innovative and entrepreneurial leader to serve as the new **Dean of the College of Engineering and Computer Science (ECS)**.

The Dean will join TU at a transformative time, working closely with a new President and Provost focused on a bold vision of joining the highest rank of research universities (R1) and creating an innovation ecosystem that attracts talents from around the world to Tulsa.

In 2021, TU launched its new strategic plan with five priorities, including becoming a world leader in energy and cybersecurity. Recently renamed as the College of Engineering and Computer Science, the College is clearly a pillar of TU's ambitious goals, and the new Dean will help propel the future of ECS, TU, and Tulsa.

TU has retained Isaacson, Miller, a national executive search firm, to assist in this search. Inquiries, nominations, referrals, and CVs with cover letters should be sent via the Isaacson, Miller website for the search:

**To Apply, Please Visit: <https://apptrkr.com/3771017>**

Julie Filizetti and Phuong Ta  
Isaacson, Miller

*The University of Tulsa is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable, and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of, race, national origin, age, genetic or family health history, gender, faith, gender identity and expression as well as sexual orientation. The University of Tulsa also encourages applications from individuals with disabilities and veterans.*

## University of Tennessee Chattanooga

### *Assistant/Associate Professor of Data Analytics and Machine Learning*

The Department of Computer Science and Engineering at the University of Tennessee at Chattanooga College of Engineering and Computer Science invites applications for the position of Assistant/Associate Professor, Data Analytics and Machine Learning, with the anticipated start date of August 1, 2023.

Details of application requirements can be found at [https://ut.taleo.net/careersection/utc\\_faculty/jobdetail.ftl?job=22000002MQ](https://ut.taleo.net/careersection/utc_faculty/jobdetail.ftl?job=22000002MQ).

Applications must be submitted electronically by clicking on "Apply Online" on the above-linked webpage.

Review of applications will begin immediately and continue until the position is filled. Preference will be given to those qualified candidates who apply by February 15, 2023.

## Western Washington University

### *Assistant or Associate Professor in Computer Science Education*

The Computer Science Department at Western Washington University (WWU) invites applications for a tenure-track position beginning September 16, 2023 at the rank of Assistant or Associate Professor. All areas of specialization will be considered, but for this position the department is particularly seeking candidates with scholarly interests in computing education. The successful candidate will enhance our existing strengths in undergraduate education and science teacher preparation, and will teach computer science courses as well as K-12 science teacher preparation courses in SMATE. The teaching assignment will be distributed evenly

between Computer Science and SMATE. This person must be committed to quality undergraduate education and to fulfilling teaching responsibilities in ways that support an equitable and inclusive learning environment for students. The successful candidate will be expected to develop and maintain an active research program involving undergraduate and M.S. students, especially one that emphasizes science education and supports active collaborations within and between the SMATE and Computer Science programs. This faculty member will also be expected to participate in service activities, including departmental committees and student advising.

**You can learn more and apply online at <https://hr.wvu.edu/careers-faculty?job=500321>.**