

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 Update: Newly Expanded CRA Career Mentoring Workshops Now Accepting Applications

CRA is now accepting applications for its biennial CRA Career Mentoring Workshops (CMWs). The workshops provide valuable career advice and mentoring activities to people just beginning or in the early stages of their computing research careers. For the first time, this year two workshops will be offered: CMW: Teaching from February 20-21 and CMW: Research from February 22-23, with track options for Academics and Industry. [Learn more and apply here.](#)

See page 2 for details

2023 CRA Member Book Now Available

This week, CRA published the 2023 Academic Member Book to cra.org. Compiled and made available each fall, the Member Book provides our academic member units (departments, schools, etc.) with the opportunity to spotlight the latest achievements, news, and developments from their faculty and students. [View the book here.](#)

See page 6 for details

CRA-E Rolls Out New Site to Help Students Understand Pathways to Computing Research

CRA's Education Committee (CRA-E) launched a new website: [Student Pathways into Research in Computing \(SPARC\)](#). SPARC is a comprehensive resource designed to assist individuals at various career stages, including undergraduates, graduate students, professionals contemplating further academic study, and faculty advisors. Check it out at sparc.cra.org.

See page 15 for details

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CRA Update: Newly Expanded CRA Career Mentoring Workshops Now Accepting Applications



By Tracy Camp, Executive Director and CEO

The Computing Research Association (CRA) is now accepting applications for its biennial **CRA Career Mentoring Workshops (CMWs)**. The workshops provide valuable career advice and mentoring activities to people just beginning or in the early stages of their computing research careers. Building on the success of more than two decades of workshops for starting a tenure-track position in academia, this year's program is expanded to include a workshop on teaching and a track on launching a computing research career in industry.

Taking place in Washington, D.C., participants have the option to join one or both workshops.

CMW: Teaching will be held February 20-21, offering participants the opportunity to hear from seasoned computing educators about the nuts and bolts of teaching large upper-division classes and graduate student seminars. Designed for research-focused tenured/tenure-track faculty, the goal of this highly-interactive and engaging workshop is to help you reduce the amount of time you spend on teaching (for research gain) while also doing a good job and making it more fun—for you and your students. Specifically, attendees will gain insight into how to write and edit course syllabi, be introduced to high-quality materials and master teacher models, go through a bootcamp on evidence-based practices such as active learning, and gain guidance on how to manage TAs and other administrative tasks.

CMW: Research will be held February 22-23, with two track options:

The **Academic Track** will provide advice and mentoring activities for those starting academic computing research careers. Session topics will include planning your research career, networking strategies, mentoring and managing students, preparing a tenure dossier, time management and work-life balance, among others.

The **Industry Track** will offer attendees advice and mentoring for launching a computing research career in industry. It will be led by experienced industry professionals and be focused on providing practical, actionable career advice, such as sessions on preparing a promotion application. Participants of the Industry Track will join the Academic Track as it makes sense, for session topics such as networking strategies and work-life balance.

The workshops, consisting of a series of panels, are interspersed with opportunities to network with senior researchers and representatives from government agencies.

Apply by December 11, 2023

Please **submit your application** no later than **December 11, 2023**. You will receive an email notification no later than December 20, 2023 on the status of your application and, if selected, next steps.

APPLY NOW 

CRA Welcomes Curtis Cain as New Director of Broadening Participation in Computing Initiatives



By Matt Hazenbush, Director of Communications

A well-known and respected leader in the community, Dr. Cain brings valuable experience and expertise to his new role leading CRA's Widening Participation committee.

The Computing Research Association (CRA) is pleased to announce the naming of Curtis Cain, PhD, to the position of Director of Broadening Participation in Computing Initiatives. A long-time leader and researcher in broadening participation in computing (BPC), Dr. Cain comes to CRA from Howard University, where he's taught and conducted research since 2016 with a focus on computer science education and analysis of the barriers to inclusion for underrepresented peoples in computing and engineering. He will be teaching his typical course load this semester, and is beginning his role at CRA on a part-time basis until transitioning to full-time January 1.



In his new role, Dr. Cain will lead the internal staff of the CRA-Widening Participation committee (CRA-WP), which is dedicated to enhancing the success and involvement of women, underrepresented minorities, and individuals with disabilities in computing research and education across all levels.

"In addition to his excellent qualifications, Curtis will bring tremendous passion and infectious energy to his work for CRA," said Tracy Camp, Executive Director and CEO of CRA. "I can't wait to see the new heights he'll take our BPC efforts in the future."

BPC Experience and Expertise

A highly experienced leader in student-facing programs and a passionate advocate for diversity in computing, Dr. Cain's professional history demonstrates his exceptional program management, communication, and partnership cultivation skills. Dr. Cain's prolific research on BPC integrates people, technology, information, policy, and culture to address societal issues leverages his expertise in social inclusion, gender and racial theories, and interpretive epistemology. He has published more than two dozen peer-reviewed conference papers, book chapters, and journal articles focused on understanding the experiences of underrepresented groups in computing. His work also explores mechanisms for diversifying the computing workforce and increasing the number of students pursuing degrees in the field.

His track record of success includes securing more than \$13 million in grants and contracts in less than seven years at Howard and hiring personnel to administer projects and grants; partnering with local schools to provide mentorship opportunities and hosting workshops and seminars on DEI in technology to build relationships between Google and local organizations, schools, and community groups; and co-Founding BLKGNIUS, a non-profit organization dedicated to connecting children and scholars with mentors and role models in technical fields to develop the necessary skill sets for career preparation and advancement.

"I'm so excited to be taking this next step in my career with CRA," said Dr. Cain. "CRA is an organization I've long admired, and it feels great to be joining forces with a team that's so deeply committed to culture development, inclusivity, and innovative initiative building."

New Director *(continued)*

Dr. Cain earned a Bachelor of Science in Information Systems Engineering from Johnson C. Smith University and a Master of Science in Computer Science & Software Engineering from Auburn University. He earned his PhD in Information Sciences and Technology from Pennsylvania State University, completing his dissertation on the underrepresentation of Black males in Information Technology.

Stewardship of CRA-WP

Dr. Cain assumes his new position as Erik Russell transitions to being the full-time Director of Educational Initiatives after a very successful 10 year tenure managing CRA-WP, in addition to other responsibilities.

“CRA-WP is a powerhouse in the computing research community, much of which is thanks to Erik’s efforts on our behalf,” said Camp, CRA Executive Director and CEO. “Erik has been a wonderful collaborator and has created an environment where CRA-WP and the staff have thrived. I’m so glad Curtis will have Erik as a resource as he joins us.”

As Director of Broadening Participation in Computing Initiatives, Dr. Cain will lead the next chapter of CRA-WP’s impact and success, developing and executing initiatives that benefit the computing community by increasing participation in computing research, specifically for communities underrepresented in the technology sector.

“Curtis brings a fantastic level of expertise to the Director of BPC Initiatives role,” said Susan Rodger, a Professor of the Practice in the Department of Computer Science at Duke University and CRA-WP co-chair. “I’m excited for the whole WP team, who will benefit from the mentorship and compassion he’s demonstrated in his past positions.”

Major responsibilities of the role include oversight of all aspects of CRA-WP programs, including tracking and providing updates to stakeholders, and program planning and implementation, including writing proposals and reports and budget management. In addition, the Director is responsible for cultivating and maintaining partnerships among external and internal constituencies, including federal agencies and foundational organizations, academic partners, and external partner organizations engaged in synergistic activities.

“Curtis joins CRA-WP at such an exciting time,” said Amanda Stent, the inaugural director of the Davis Institute for AI at Colby College, a CRA Board Member, and CRA-WP co-chair. “Erik has built a great foundation on which Curtis and the team can continue to deepen and expand CRA-WP’s impact in the community.”



CRA-WP

Computing Research Association
Widening Participation

Expanding the Pipeline: “Regular” CS x Inclusive Design



By Rosalinda Garcia (Oregon State University), Margaret Burnett (Oregon State University), and Patricia Morreale (Kean University)

What happens if CS faculty teach inclusive design skills throughout core undergraduate CS courses? What might the outcomes of an integrated contiguous experience be? Funded by the National Science Foundation (NSF), we have developed a new broadening participation in computing (BPC) practice called **Embedded Inclusive Design**.

The practice has two BPC goals:

1. An immediate increase in retention in CS programs, through student behavior changing student inclusivity toward each other.
2. A longer-term change in the inclusivity of the software these future CS practitioners build.

To succeed at these two goals requires integrating inclusivity skill-building into CS students' everyday CS classes—and that is the essence of how this BPC practice works.

The Embedded Inclusive Design practice is novel in two key ways. First, it can span the entire 4-year curriculum and is appropriate for even non-HCI courses. The reason for this is to avoid disconnecting such concepts from the rest of CS and to allow the changes to any one course to be minimal. Second, the practice involves both faculty and students as active producers of inclusivity. While faculty are responsible for embedding inclusive design into their course, students are responsible for applying their inclusive design knowledge to create more inclusive peer interactions and software.

The practice needs to be powered by some inclusive design method. We have been using GenderMag (Gender Inclusiveness Magnifier) method which is used to find, fix, and/or avert inclusivity bugs. The GenderMag method provides a reasonable starting place because it has been used in practice by technologists across the world and because of its accuracy (low false-positives rate). However, the Embedded Inclusive Design BPC practice is general enough to be powered by any other evidence-based inclusive design method. The selected inclusive design method is then used as a basis, not an atomic unit. CS faculty choose any of the elements they want and integrate them however they want into their own CS/IT courses (<https://bpcnet.org/resources/gendermag-teach/>).

We have used this practice at Kean University and Oregon State University. At Kean, the CS faculty used the practice in a coordinated effort to embed elements of inclusive design across their 4-year undergraduate (in-person) computer science and IT programs. This effort included a variety of courses such as CSI, Software Engineering, and Capstone. At Oregon State, individual CS faculty have used the approach in in-person and asynchronous online classes such as Software Engineering and Databases.

Our implementation of this practice began with a workshop, which is now available as a [free online course](#). Throughout the workshop, faculty learned inclusive design via GenderMag and were guided through embedding elements of inclusive design into their own course content. These embeddings vary by course level to build students' knowledge gradually. For example, introductory courses at Kean (e.g. CSI) discuss inclusive design concepts such as designing for someone other than oneself and provide exercises such as small modifications to the standard assignments for those classes. (For example, instead of “create a webpage to do <x>” the assignment could be “create a webpage to do <x> and explain how someone like <Name> would use it.”) Later courses add material on diverse humans' variety of problem-solving styles, and students consider whether/how the software they are building will support this diversity. Ultimately, students use the full inclusive design method to design and evaluate their senior projects. This progression allows students to build their understanding of inclusive design over time with minimally invasive changes to course material.

[A year-long investigation](#) into effects on students has shown positive results on students' skills and on the education climate. For example, on average, 70% of the students earned as high a grade on their inclusive design work as they did on their final grade.



Expanding the Pipeline *(continued)*

Retention also increased by 10%. On student questionnaires, students reported a significant improvement to climate, including improved teamwork and improved ratings of instructor inclusivity. Overall, based on the data gathered, the embedded inclusive design curriculum has been proven to be both feasible to use and advantageous to students.

Resources for implementing this practice and learning more about GenderMag can be found in the BPCnet Activity Library:

- [GenderMag Resources](#)
- [GenderMag Teach](#)
- [GenderMag Online Course](#)

This material is based upon work supported by the National Science Foundation under Grant No. 2042324 and 2042341.

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2023 CRA Member Book Now Available

By Matt Hazenbush, Director of Communications

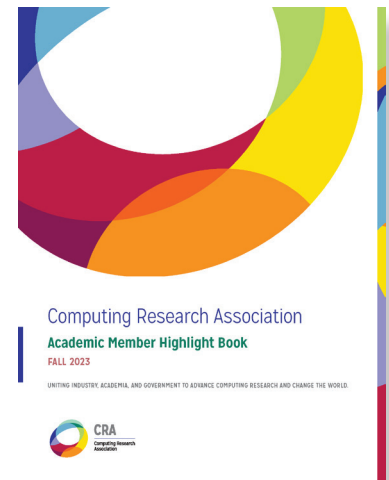
This week, the Computing Research Association (CRA) published the **2023 Academic Member Book** to cra.org.

Compiled and made available each fall, the **CRA Academic Member Book** provides our academic member units (departments, schools, etc.) with the opportunity to spotlight the latest achievements, news, and developments from their faculty and students. In this book, the computing research community, prospective students, and the general public can access information on a unit's new faculty members, academic and research statistics, awards, grant funding information, and much more.

"I extend my gratitude to all the academic member units that contributed to this year's edition," said CRA Executive Director and CEO Tracy Camp in her introduction to the book. "Your dedication and commitment to advancing the field of computing research is truly commendable, and as an organization we're so glad to be able to provide this platform for you to showcase your achievements."

If your unit missed our invitation to participate, please get in touch with us at members@cra.org to ensure that the right contact from your staff is added to our distribution list for next year's edition.

To access the **2023 Member Book**, as well as previous editions dating back to 2017, visit the **Member Books page** on cra.org.



CRA-WP 2024 Distributed Research Experience for Undergraduates (DREU): Early Decision Deadline December 15, General Deadline February 15



Are you an undergraduate student interested in exploring research in computer science? Or are you a faculty member interested in being a research mentor?

[Distributed Research Experiences for Undergraduates \(DREU\)](#) might be the program for you!

The objective of the DREU program is to increase the number of people from underrepresented groups including women, minorities, or persons with disabilities who are enrolled in graduate studies in the fields of computer science and computer engineering.

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

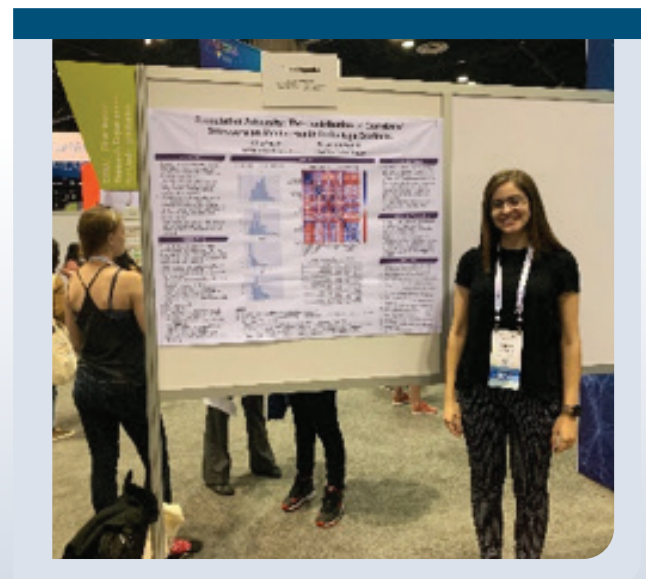
The early decision deadline is December 15, and the general deadline is February 15. You can apply via [this application page](#). DREU participants receive \$7,000 (for 10 weeks of full-time work). Relocation travel funds (max \$750) and travel funds to attend a conference (max \$750) are also available.

Want to discover more? Learn about previous attendees' experiences in [this video](#).

Eligibility

For Students - Applicants should be students who are pursuing an undergraduate degree at an institution in the U.S or its territories. Applicants should be interested in doing research in the computing field. International Students may apply, however most of the funds for the DREU program are restricted to US citizens and permanent residents, so the number of non-US student participants will be limited. All undergraduates are welcome, and rising sophomores are especially encouraged to apply.

For Faculty - Potential mentors should be professors in CS, CE, or other closely related areas at any institution of higher education. Interaction with current graduate students is a feature of the DREU experience; it is necessary that the mentor's research group include graduate students who will be available to interact with DREU students throughout the summer.



DREU Alumna Olivia Figueira presenting her DREU research at GHC as a CRA-WP Research Scholar.

DREU Students Report Enhanced Awareness of Graduate School and Career Opportunities Post-Program Participation

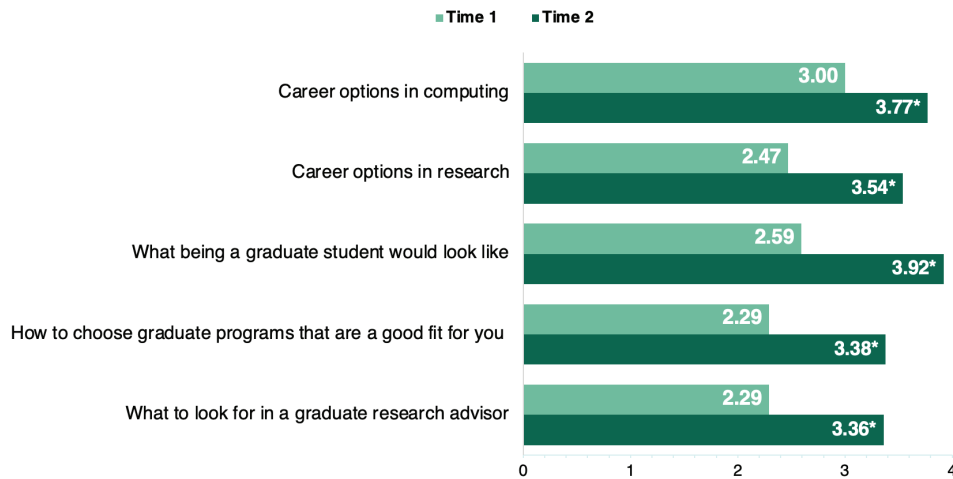


CERP

Computing Research Association
Evaluation

By *Eniola Idowu, CERP Research Associate*

How much do you feel you know about the following?



Source: Distributed Research Experience for Undergraduates (DREU) Pre and Post Program Surveys 2022, Center for Evaluating the Research Pipeline, Computing Research Association.
Notes: DREU students (n = 17). Respondents were given on a five-point scale from (1) Nothing to (5) A lot. Statistically significant differences between means at Time 1 and Time 2 were analyzed using paired samples t-test and .05 significance level. * $p \leq 0.05$.

The CRA-WP Distributed Research Experiences for Undergraduates (DREU) program is committed to sparking interest in graduate education and research careers, particularly among underrepresented groups in computing. This program offers invaluable insights into the graduate school experience and equips participants to gain hands-on research skills.

CERP evaluated the 2022 DREU program using a pre/post methodology, where students completed surveys before (Time 1) and after they finished their program (Time 2). Respondents provided their feedback on a five-point scale, rating the degree to which they felt they knew about specific statements outlined in the figure. Data were analyzed using paired t-test samples with significance levels of (*) $p < .05$, which revealed significant improvements.

The evaluation's findings highlighted several positive outcomes among DREU students. Notably, participants exhibited an increased level of knowledge and awareness in several key areas. This included a greater understanding of the graduate school process, a heightened awareness of career options within the computing field, a clearer understanding of academic roles, and an improved ability to select suitable graduate programs that aligned with their career goals. Overall, the 2022 DREU program achieved its goals by enhancing participants' understanding of the graduate school experience and career prospects in computing, ultimately contributing to their confidence and preparedness for future academic and research pursuits.

Notes:

The survey data analyzed for this infographic were collected by the Center for Evaluating the Research Pipeline via 2022 Distributed Research Experiences for Undergraduates (DREU) Pre and Post Program Surveys. Respondents were given on a five-point scale from (1) Nothing to (5) A lot.

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](#).

This material is based upon work supported by the National Science Foundation under grant numbers, CNS-1246649/ CNS 1840724. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

Time100 AI List Features CRA Board Member Jaime Teevan

By Matt Hazenbush, Director of Communications

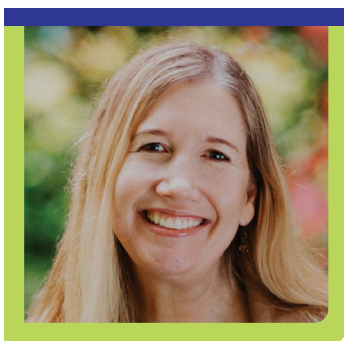
In recognition of the landmark year it's been for artificial intelligence, last month Time Magazine published a special **Time100 list** of the most influential people in AI.

In the words of executive editor Naina Bajekal, who led the effort: "We wanted to highlight the industry leaders at the forefront of the AI boom, individuals outside these companies who are grappling with profound ethical questions around the uses of AI, and the innovators around the world who are trying to use AI to address social challenges."

And, to no one's surprise, the list featured several researchers with ties to CRA, including a board member.

That board member is **Jaime Teevan**, Chief Scientist at Microsoft. For the last year, she has been leading the integration of Microsoft-backed OpenAI's GPT-4 into Microsoft's core products, including Word, Excel, and Outlook. Teevan also leads the company's **New Future of Work** initiative, dedicated to creating solutions for the future of work that are meaningful, productive, and equitable.

"We're in the middle of a huge shift, driven by computing research, that will transform how we communicate, learn, and work," Teevan said. "My research focuses on how AI can empower people to be more creative, thoughtful, and productive, but this is just one aspect of the broader impact and potential of AI for people and society. I'm deeply honored to share a spot on Time's list with so many inspiring leaders, and take my role in this pivotal moment very seriously."



Jaime Teevan

Teevan has been a highly involved leader at CRA for a number of years, including serving as the appointed member of the Executive Committee and co-chairing the **2022 CRA Conference at Snowbird**.

"Jaime is a tremendous partner and asset to CRA. Everything she gets involved with is better and more impactful because it has her fingerprints on it," said Tracy Camp, Executive Director and CEO of CRA. "On behalf of the computing research community, we are extremely grateful for all her efforts."

To see other members of CRA's extended circle honored by inclusion on Time's list, check out the complete list of the **100 Most Influential People in AI** on the Time website.

Application Deadline Approaching: 2024 Jefferson Science Fellowships



by Maddy Hunter, Program Associate, CCC

The **National Academies of Sciences, Engineering, and Medicine** is pleased to announce a call for applications for the **2024 Jefferson Science Fellowships** (JSF). Established by the Secretary of State in 2003, these fellowships serve as an innovative model for engaging the American science, engineering, and medical communities in the U.S. foreign policy and international development process through a one-year immersive experience at the U.S. Department of State or the U.S. Agency for International Development (USAID).

Fellowships are open to tenured, or similarly ranked, faculty from U.S. institutions of higher learning, who are U.S. citizens.

After successfully obtaining a security clearance, Fellows are embedded in an office at the U.S. Department of State or the U.S. Agency for International Development (USAID) where they can expect to learn the foreign policy and international development process while contributing their technical expertise to policy formulation and implementation.

Recruiting Fellows who reflect the American people is a high priority. America's diversity is a source of strength that few countries can match. The more diverse, equitable, inclusive, and accessible the diplomatic and international development communities are, the stronger, smarter, and more creative the response will be to the challenges of the 21st Century.

Online applications will be accepted from August 1, 2023 through October 17, 2023 at 5 PM ET. To learn more and to apply, visit www.nas.edu/jsf.

The JSFs are administered by the National Academies of Sciences, Engineering, and Medicine and supported by the U.S. Department of State and USAID.

NIST to Standardize Encryption Algorithms That Can Resist Attack by Quantum Computers



by Maddy Hunter, Program Associate, CCC

Last year, the **National Institute of Standards and Technology** (NIST) set out to create four new algorithms capable of withstanding an attack by quantum computers. Last month, NIST released draft standards for three new algorithms, with a fourth planned to be released in about a year.

- CRYSTALS-Kyber, designed for general encryption purposes such as creating secure websites, is covered in **FIPS 203**.
- CRYSTALS-Dilithium, designed to protect the digital signatures we use when signing documents remotely, is covered in **FIPS 204**.
- SPHINCS+, also designed for digital signatures, is covered in **FIPS 205**.
- FALCON, also designed for digital signatures, is slated to receive its own draft FIPS in 2024.

This has been the part of a multi-year effort, starting in 2016 when the agency called on the world's cryptographic experts to submit candidate algorithms to NIST's **Post-Quantum Cryptography Standardization Project**. NIST then released the 69 candidate

NIST to Standardize Encryption Algorithms (continued)



algorithms for experts to analyze, and to crack if they could. This process was open and transparent, and many of the world's best cryptographers participated in **multiple rounds of evaluation**, which reduced the number of candidates.

This effort comes at an imperative time with the rise and advancements of quantum computing and its potential capabilities to obliterate current cybersecurity standards. Currently encryption acts as an imperative security technique, using **public-key encryption techniques** (math problems a conventional computer cannot readily solve) to protect sensitive online data and transfers. While still being developed, quantum computing has the potential to solve these problems resulting in mass security breaches.

You can read the full announcement on the NIST website [here](#).

A 2018 Computing Community Consortium (CCC) Workshop report "**Next Steps in Quantum Computing: Computer Science's Role**" highlighted the major need and effort underway to find "post-quantum" public-key cryptosystems that could resist a quantum attack. As a continuation, in May 2023 the CCC held a workshop "**5 Year Update to the Next Steps in Quantum Computing Workshop**".

The workshop focused on discussing the following topics:

- Technologies and Architectures with a View Towards Scaling,
- Applications and Algorithms,
- Fault Tolerance and Error Mitigation,
- Hybrid Quantum-Classical Systems: Architectures, Resource Management, and Security, and
- Tools and Programming Languages.

Be on the lookout for a report in the coming months.

Kick-off to the 10th Heidelberg Laureate Forum



By Catherine Gill, Program Associate, CCC

September 25, 2023 marked the first official day of the **10th Heidelberg Laureate Forum** in Heidelberg, Germany. The Computing Community Consortium has attended and covered the HLF conference every year since 2018, with the exception of last year, 2022. This year we are back in action, and will be covering the conference in-person in the idyllic town of Heidelberg.

To give some background, the Heidelberg Laureate Forum is an annual conference which brings together some of the greatest minds in mathematics and computer science, both those well established in their fields and those who are just beginning their careers. 200 young researchers are selected to attend and meet the laureates, winners of some of the most prestigious awards in computer science and mathematics, including the **ACM Turing award** and the **ACM Prize in Computing**.

While the HLF conference schedule does contain many session types typical of scientific conferences, such as lectures given by the laureates and scientific poster sessions, the Heidelberg Laureate Forum also recognizes the importance of unstructured time in which to network and learn from each other. The week-long program features tours of the city of Heidelberg, a boat trip down the picturesque Neckar river, and a farewell dinner at the Heidelberg castle. As Petra Olschowski, the Minister of Science, Research, and



Heidelberg Laureate Forum *(continued)*

Arts in Baden-Wuerttemberg stated in her opening address, the HLF is based on the idea of giving young researchers the opportunity to interact with their role models, and this idea is embodied in the open schedule of the conference. A well organized and tenacious young researcher may even have enough time to talk to every laureate!

I unfortunately will not be able to talk to everyone, but I hope to highlight some interesting in-depth discussions with laureates and young researchers alike. The conference kicks off each day at 9:00 am Central European Time, or 3:00 am Eastern Time, so many of our readers will not be able to catch a lot of the live sessions which are streamed on the [HLF Youtube channel](#). Each livestreamed lecture, however, will be published online a few days at most after they premiere, and some sessions will begin at more manageable times for US based people, such as 6:00 am ET and later. Please check out the [schedule for the 10th HLF conference](#).



Improving Gender Diversity in Computing: An Update on UR2PhD



CRA-E

Computing Research Association
Education

By Julia Sepulveda Avalos, Program Associate, CRA-E

In an effort to increase the number of women and other gender-marginalized students (especially those who identify as Black, Latinx, Native, and/or Indigenous) who pursue doctoral studies in computing, the Computing Research Association (CRA) launched the **UR2PhD** (pronounced “you are to PhD”) program this year. To achieve its goal, the UR2PhD program focuses on increasing the number of high-quality undergraduate research experiences through training and mentorship opportunities for both undergraduate and graduate students.

The first cohort of UR2PhD boasts 134 undergraduate students from 13 unique universities. Of the undergraduate participants, 91 students currently attend an institutional partner school (Boston University, University of Alberta, University of North Texas, and University of Waterloo), and 84.33 percent identify as women, non-binary, gender-non-conforming, or another gender-marginalized group. Participants also come from a number of different racial and ethnic backgrounds, with 29.85% of participants self-identifying as multiracial and/or as a race that is underrepresented in computing (including but not limited to Black and African American, Latino and Hispanic, Southeast Asian, Pacific Islander, and/or West Asian, Arab or Middle Eastern).

Participating undergraduates are taking a research methods course to build their knowledge of research foundations, while also actively engaging in a research project at their local institution with a faculty mentor and potential graduate student mentor. In the course, the undergraduates are developing and applying practical research skills within the context of their research projects, while also honing their communication skills and building a network of peer support.

There are also 50 graduate students from 9 distinct institutions engaging in a mentor training program while concurrently mentoring undergraduate program participants on their research projects. As part of this experience, graduate student participants are developing their understanding of mentorship best practices and cultivating their own mentoring philosophies.

To keep supporting participants throughout their research journey, the UR2PhD team will be launching a series of online bridge workshops. These workshops will target students who have completed the undergraduate research methods course and will feature programming to keep students engaged in research. Programming will highlight different research pathways and graduate school options, while also providing skills development opportunities. A subset of these workshops will provide rising-fourth year students with mentorship for applying to PhD programs in computing.

CRA strongly believes that the computing field stands to benefit from the diverse perspectives and experiences of all members of the community. We hope that the UR2PhD program encourages more undergraduate students who identify as women or another gender marginalized group to continue to pursue opportunities within computing research. CRA also hopes that graduate student participants will feel equipped to continue to serve as effective research mentors throughout their careers. CRA looks forward to seeing how participants apply their talents and new knowledge in the future.

UR2PhD is managed by CRA's Education Committee (CRA-E) and the Committee on Widening Participation (CRA-WP). It is led by Program Leaders Christine Alvarado, Kelly Shaw, Lori Pollock, and Monique Ross, with support from Susan Rodger. The program was launched with the support of a \$5 million grant from a philanthropic partner with the intent of substantially increasing the enrollment of women and other gender-marginalized communities, especially students who identify as Black, Latinx, Native, and/or Indigenous, within computing doctoral programs. To learn more about UR2PhD, please visit <https://cra.org/ur2phd/>

Addressing Non-Determinism: Enhancing Reproducibility of ML Models



CRA-E

Computing Research Association
Education

*By Yasra Chandio (CRA-E Fellow, University of Massachusetts Amherst)
and Alejandro Velasco Dimate (CRA-E Fellow, College of William & Mary)*

This Q&A highlight features Stephen Price, an Honorable Mention of the 2023 **CRA Outstanding Undergraduate Researchers** award program. Stephen finished his BS at the Worcester Polytechnic Institute (WPI) and is now pursuing an MS/PhD in Computer Science there.

What brought you to computing research?

In my freshman year, during the peak of COVID-19, I felt disconnected from my college journey. I initially wanted to graduate early, but my academic advisor, **Prof. Rodica Neamtu**, persuaded me to attend one of her research group meetings to try and get me more involved on campus instead of graduating early and entering the industry.

Initially skeptical about joining a research lab, I found myself captivated by the world of research after just one meeting. I found the research discussions intriguing and was fascinated by the challenges and possibilities research offered. What began as a quest to “get through” college transformed into a journey of discovery and growth. Because of Prof. Neamtu, I pursued a Master’s and will work towards my Ph.D.

How did you find your first research project?

My first project was reproducing a computer vision model for our material science collaborators. Initially, I received quite favorable results, and we **published** them. However, after publishing, I demonstrated the model to a friend and the results, which I expected to be identical, were significantly worse. Concerned about this disparity, I delved into analyzing the reproducibility of machine learning (ML) models.

Can you tell us about your project?

Prof. Rodica Neamtu selected my first project. However, the second project was based on that personal discovery of the non-determinism of ML models. ML models might produce different results when the same code runs multiple times. I discovered that this inherent non-determinism for the computer vision model I used stemmed from the model’s architecture, the software libraries utilized, and the GPU. **Reproducibility in ML** is vital, particularly in collaborative group efforts. Discrepancies in results can pose challenges for teams, especially if they are unaware of these differences. To make the model result reproducible, we systematically changed each aspect of the process, focusing on identifying changes until we could ensure consistent reproducibility. This meant identifying factors impacting the result’s reproducibility, integrating robust software engineering, providing in-depth documentation, and applying specific software libraries and algorithms. I presented **this work** at the **International Conference on Pattern Recognition and Artificial Intelligence** (ICPRAI).

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

Starting my research in an interdisciplinary group combining computer science with material science, I often needed help with unfamiliar terminology. To address this, I either sought clarifications from the graduate student on the project, **Bryer Sousa**, or noted the terms to research later. During one-on-one meetings with my advisor, I would raise my uncertainties. However, she often



**Stephen Price, BS in Computer Science,
at Worcester Polytechnic Institute**



Q&A Highlight (*continued*)

encouraged me to research unfamiliar terminology independently and present my findings in our next meetings. This approach prompted me to adopt a self-learning mindset. During our weekly discussions, I would share what I had learned independently.

What was the most challenging part of the research process?

The most challenging aspect of the research was managing unfavorable results. The process from data collection to model training is extensive. Much time elapses before determining the effectiveness of a solution. When results are unexpected, especially in uncharted research areas, it is tough but essential to adapt, learn from them, and identify the causes of suboptimal results, guiding future decision-making.

How did your identity affect your research experience?

While my personal identities have not affected my research experience, age has been a factor. I faced challenges when interacting with seasoned professionals at conferences, especially being an undergraduate student, with just a high school diploma as my highest form of completed education. Most of this stemmed from my hesitation, but there were instances where I felt undervalued when I tried to engage.

How did you balance your research activities with your coursework?

Throughout my research career, I have utilized independent studies to allocate time for research. This allowed me to earn credits based on my research. This not only provided the time to focus on my research but also helped me to give more structure to the process since I had to fulfill certain requirements to receive those credits.

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

My biggest advice is just to get started. There were moments when I made mistakes and things I wish I had known earlier. However, I only gained this knowledge by actively getting involved. Do not hesitate; reach out to a professor. At worst, they might be unavailable. At best, you get published as a first author, and they might even fly you to Paris to present your work.

Learn more about the [CRA Outstanding Undergraduate Research Awards](https://cra.org) at cra.org.

CRA-E Rolls Out New Site to Help Students Understand Pathways into Computing Research



By Julia Sepulveda Avalos (Program Associate, CRA-E), Kelly Shaw (CRA-E Co-Chair), Lori Pollock (CRA-E Co-Chair), Janet Davis (CRA-E Board), Steven Swanson (CRA-E Board), and Amy Ko (CRA-E Board)

The Computing Research Association's Education Committee (CRA-E) recently launched a new website: [Student Pathways into Research in Computing \(SPARC\)](https://cra.org/crn).

The SPARC website is a resource for people who are exploring computing research opportunities, considering graduate study in computing, or mentoring nascent researchers. The website is geared to support individuals at multiple career stages, including: undergraduate and graduate students, professionals considering graduate study, and faculty advisors.

For current students and professionals considering a return to academic study, SPARC provides critical context about computing research, detailed information about graduate study, and concrete examples of research experiences. The site features information



New Site *(continued)*

about what research is and practical suggestions for getting involved in research. It also covers different pathways and career opportunities within the computing research field. SPARC contains detailed information about MS and PhD programs, including descriptions of expectations and outcomes for different types of programs and concrete advice for drafting graduate school application materials. The site also features a “Stories” section that highlights contributions undergraduate students have made to the field, and how their research experiences shaped their career aspirations; this section intends to inspire prospective researchers.

For individuals advising student researchers, SPARC provides advice on recruiting and incorporating student researchers into a research group. There is detailed information about how to effectively mentor student researchers through the various aspects of the research process and practical strategies for guiding new researchers according to their career goals.

The mission of CRA-E is to address society’s need for a continuous supply of talented and well-educated computing researchers. To this end, CRA-E will continue to build and maintain the SPARC website, so that it can serve as a resource for people interested in referencing up-to-date information about the computing research field and opportunities within the computing research community.

The content on the SPARC website is the result of a collaborative effort. It was made possible through the support of many computing researchers and scholars, including, but not limited to: Amy J. Ko, Janet Davis, Victoria Innerante, Ran Libeskind-Hadas, Susanne Hambrusch, Borja Sotomayor, Kelly Shaw, Keith Feldman, Max Grossman, and Eric Aaron. Should you have any questions, suggestions, or concerns about the material on the site, please contact the CRA-E Co-Chairs.

Nominations Open for 2024 CRA-E Undergraduate Research Faculty Mentoring Award



By Denys Poshyvanyk (Selection Committee Co-Chair, College of William & Mary) and Gary Holness (Selection Committee Co-Chair, Clark University)

The **CRA-E Undergraduate Research Faculty Mentoring Award** recognizes individual faculty members who have provided exceptional mentorship, undergraduate research experiences and, in parallel, guidance on admission and matriculation of these students to research-focused graduate programs in computing.

Eligible nominees are full-time faculty members at North American academic institutions. Faculty members include tenured and tenure-track faculty, instructors, and professors of the practice. Current members of CRA-E are not eligible to be nominated or to serve as the nominator. A nominee must be nominated by a faculty member or a researcher in the computing field.

Nominations are due **November 24, 2023**. Winners will be notified by early February 2024. Click [here](#) to view the 2023 award winners and [here](#) to view the FAQs.

The award is given annually, and multiple recipients may be awarded. The selection committee will give appropriate consideration to different types of schools and mentors at different stages of their careers. The awardees will receive travel support to attend the meeting at which they accept the award.

Evaluation Criteria

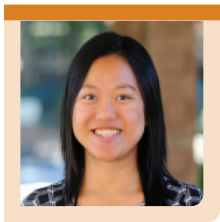
The committee will evaluate the evidence of:

- Undergraduate student mentoring during the most recent 10 years (being sensitive to the size of the program) including the details on the student career paths (e.g., students enrolling in research-oriented M.S. or Ph.D. programs or students pursuing other research-oriented career opportunities)
- Professional development provided to the students mentored
- Diversity of students
- Impact and success of the students' research

The 2024 selection committee includes:

- Denys Poshyvanyk (William & Mary), Co-Chair
- Gary Holness (Clark University), Co-Chair
- Monica Anderson (University of Alabama)
- Renee Bryce (University of North Texas)

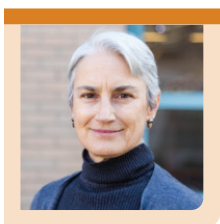
2023 Award Recipients



Dr. 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. 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.



Dr. William Wang is an Associate Professor at the Computer Science Department at UC Santa Barbara. He is also the Mellichamp Chair in Artificial Intelligence and Designs and Director of UCSB's Center for Responsible Machine Learning. He 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.



Dr. 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 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.

Computing Researchers Make the Case for Computing Research to Lawmakers in Washington



CRA

Computing Research Association
Government Affairs

By Brian Mosley, Associate Director, Government Affairs



On September 20, 2023, twenty-two computing researchers from across the country visited Washington, D.C. to make the case for federally funded computing research. The volunteers, traveling from as near as Maryland and North Carolina, and as far away as Oklahoma, New Mexico, and Indiana, participated in over 55 House and Senate meetings. Their message to Congress was very simple: Federally supported computing research is vital to the nation's future. Using their own research and individual stories as support, and reinforced with additional information from CRA, they made the "Federal case" for computing to Members of Congress and their staff. Those Members of Congress now know more about the expertise and interesting (and important) computing work that occurs in their districts and states, and our participants have a sense of just who represents them in Congress. And they've hopefully started a lasting dialogue on both sides.

If you would like to participate in a future [Congressional Visit Day](#), or are in Washington, D.C. and would like to visit your representative's office, please contact [Brian Mosley](#) in the CRA Government Affairs Office. CRA can provide expert training, messaging, and materials, and we would also be happy to accompany you to your Congressional meetings.

Current State of Artificial Intelligence Legislation and Where Research Fits Into It All



CRA

Computing Research Association
Government Affairs

By Brian Mosley, Associate Director, Government Affairs

Unless you've had your head in the sand, you've likely heard that artificial intelligence is a big deal right now. Nowhere is this more evident than in Congress, where there has been an almost constant drum beat to do something legislatively with regard to AI. But what is going on?

This article will review several notable efforts around AI that are happening in Congress and how they could possibly impact the computing and IT research communities. We'll also assess the general prospects of each proposal's chances of moving forward in the legislative process. However, this won't be a comprehensive review of all proposed AI legislation; such an all-encompassing review is near impossible, given the large numbers of Members interested in weighing in on the topic and the pace at which new ideas are floated. It also won't cover proposals in the Executive Branch and the research agencies, like [DOE's proposal on AI research](#). Those may be the topic of future Policy Blog posts.

Senator Majority Leader Schumer's AI Framework

The proposal that has the best chances of producing results comes from a familiar source: Senate Majority Leader Schumer (D-NY). Regular readers will remember that he was one of the original sponsors of the [Endless Frontier Act](#), one of the legislative forerunners of the [Chips and Science Act](#).

[In a speech in June](#), Senator Schumer released his proposed "[SAFE Innovation Framework](#)" (for "Security, Accountability, Foundations, Explainability") to regulating AI. The acronym covers the specifics of the proposal; in short, and you'll see this repeated often, it proposes a general outline of utilizing AI while mitigating the risks. The framework is, unfortunately, big on ideas and light on details. But it's also only one part of the senator's plans.

Schumer is also proposing an approach for translating this framework into legislative action. To that end he announced the Senate will, "convene the top minds in artificial intelligence here in Congress for a series of AI Insight Forums to lay down a new foundation for AI policy." The first forum was held the [second week of September](#), and it brought together [technology leaders in the AI industry](#) with [advocates in labor and civil rights fields](#). But it was also by invitation only and closed to the media, which [did not endear it to many Senators](#). As originally proposed, each forum will focus on specific topics surrounding AI; the list, as mentioned in Schumer's speech, is:

- Asking the right questions
- AI innovation
- Copyright & IP
- Use-cases & risk management
- Workforce
- National security
- Guarding against doomsday scenarios
- AI's role in our social world
- Transparency, explainability & alignment, and
- Privacy & liability



Artificial Intelligence Legislation (*continued*)

This is likely not a final list and it could be longer or shorter, depending on what Schumer wants to cover. It has been implied that these forums would replace the traditional Congressional hearings in order to craft legislation. However, that is unlikely, as it violates tenets of good, open government, and other members of Congress are unlikely to give up a chance to say something publicly during the legislative process.

In addition to this framework and these forums, Schumer has convened a bipartisan group of Senators to take the lead on the subject of AI and craft any possible legislation. They are Senators Young (R-IN), Rounds (R-SD), and Heinrich (D-NM).

Why is this the most likely effort to produce results? First, since this is being led by the leader of the Senate, it has legislative legs. Also, since it has bipartisan backing, it's more likely to represent a consensus approach that can clear the Senate and, potentially, the House. If this all looks familiar, that's because we went through it with the Chips and Science Act. Schumer learned that a slow, deliberate, and bipartisan approach will produce results in a closely divided and partisan Congress. The drawback is that it will take time; remember that the Chips Act was the end product of over two years of legislative work. In fact, Schumer is not expecting to release any concrete proposals for several more months, and that timeline could slip until next year.

Senators Blumenthal and Hawley's AI Framework

Senators Blumenthal (D-CT) and Hawley (R-MO) released their own legislative framework, the "[Bipartisan Framework for US AI Act](#)" on [September 8th](#). Unlike with Schumer's SAFE Innovation Framework, this one has more concrete proposals, while still being fairly light on specifics. Its main thrust is to establish an independent oversight body that would require companies developing, "sophisticated general-purpose A.I. models (e.g., GPT-4) or models used in high-risk situations (e.g., facial recognition)," to register their products and services. What that oversight body is, whether new or already establishes, is not stated; nor is it said where such a body would be located within the Federal Government.

Additionally, the Blumenthal/Hawley framework has two novel parts. The first is that it would exempt AI products from [Section 230](#) protections. Reforming Section 230, which provides legal protections to internet service providers and websites for user generated content, has been a major policy argument in Congress for the past several years. It's not a surprise for it to be included in a related, though different, technology field.

The second is it would encourage the use of, "export control, sanctions, and other legal restrictions to limit the transfer of advanced A.I. models, hardware, and related equipment, and other technologies to China, Russia, and other adversary nations, as well as countries engaged in gross human rights violations." While using the export control regime to maintain the country's standing with a specific technology isn't new, this is the first time it's been proposed specifically for AI, and so broadly. Should this proposal become law, how it is implemented and how broadly it covers the field, will determine its impact. This could be a serious impediment to the research community, or no different than in other cutting edge technology sectors. But it's worth keeping in mind that this idea is being considered.

While this framework proposal is bipartisan, and it's arguably more substantial than Schumer's, it's unlikely to move by itself. What's more likely to come of this is that ideas could be included as amendments in some other proposed legislation. It could also be the forerunner of a more substantial legislative proposal in the near future. We'll have to wait and see.

House Science Committee's AI Efforts

The House Science, Space, and Technology Committee has been taking a methodical, bipartisan, and traditional legislative approach to the subject of artificial intelligence. Back in June, a day after Schumer released his framework, the committee held a hearing on [AI](#)



Artificial Intelligence Legislation (*continued*)

in the national interest. Calling several witnesses from government, industry, and academia research communities, the committee asked tough and important questions about artificial intelligence. Many of those questions were about the potential impacts of AI and what actions the government can take to both harness its potential and mitigate its adverse impacts.

That hearing is expected to be one of many that the Science Committee will hold on the subject of artificial intelligence over the coming months. In much the same approach as Schumer's forums, the committee is taking a long-view, deliberative approach to crafting any legislation. But, like much of the other efforts discussed here, it's currently light on specific proposals.

House AI Caucus CREATE AI Act

Unlike the other efforts mentioned above, the "**Creating Resources for Every American To Experiment with Artificial Intelligence Act of 2023**" (**CREATE AI Act**) is a specific legislative proposal and could impact the research community directly. The bill would establish the National Artificial Intelligence Research Resource (NAIRR), a cyberinfrastructure resources proposed by a Congressionally established **task force of the same name**. The NAIRR, run by NSF and overseen by an interagency steering committee, would provide, "**free or low-cost access to datasets and computing resources for development of AI workflows,**" helping to democratize the development and use of artificial intelligence.

The legislation is sponsored by Representatives Eshoo (D-CA), McCaul (R-TX), Beyer (D-VA), and Obernolte (D-CA), the co-chairs and vice-chairs of the **House Artificial Intelligence Caucus**. It also has a Senate counterpart sponsored by Senators Heinrich (D-NM), Young (R-IN), Rounds (R-SD), and Booker (D-NJ); note that three of the Senate sponsors are heavily involved in Schumer's AI efforts.

While this appears to be an easy add on to the federal budget, keep in mind the **budget environment we are currently in**. To say the least, this is not the best time to propose a new \$200 million research program. Opposition to new spending is likely where any public pushback to this legislation will come from. There is also the fact that no one in House Leadership, for either party, is involved in this effort; typically, you need some buy-in from leadership for a piece of legislation to move in the House. While that doesn't sink the bill's potential, it does make it more difficult for it to move.

Of all the proposals discussed in this article, the CREATE AI Act is the most likely to be passed into law. In theory, it could move as a piece of a larger, must-pass piece of legislation, such as an amendment to a funding bill. But the prospects for that right now aren't great.

Final Analysis

While it can seem that Congress could pass major legislation covering artificial intelligence at any moment, the reality is that legislators are still trying to understand the problem. Everyone knows what they want (all the benefits of AI), and what they don't want (all the problems with AI), but they don't have a solid plan on how to do it. Any major action is still months away; possibly longer. There are small pieces, such as the CREATE AI Act, that could move this year, but they will likely be the exception. CRA will continue to follow this issue and represent the computing and IT research community in these discussions. We will continue to make the case to policymakers that research is an important part of any national policy with regard to AI and that the computing research community needs to be involved.

Upcoming CRA-Industry Sharing Healthcare Data Roundtable

By Helen Wright, Manager, CRA-I

CRA-Industry will host a virtual roundtable on December 6th, from 3-4:30PM ET, centered around the critical theme of "**Healthcare Data Sharing.**"

The event will be moderated by Tammy Toscos from Parkview Health and Divesh Srivastava from AT&T. Confirmed speakers include Margarita Gonzales (Digital Transformation Leader, Georgia Tech Research), Belinda Seto (Deputy Director Office of Data Science Strategy, National Institute of Health), and John Kansky (President & CEO, Indiana Health Information Exchange).

In today's rapidly evolving healthcare landscape, the sharing of healthcare data has emerged as a transformative force with the potential to revolutionize patient care, research, and policy-making. However, this critical endeavor is not without its challenges, from privacy concerns to interoperability issues.

This conversation will bring together academia, industry, medical practitioners, and the government to help tackle this crucial issue. Together, we aim to explore collaborative solutions to overcome challenges and shape the future of healthcare data sharing.

Don't miss this opportunity to be part of a transformative conversation at the intersection of healthcare and technology. **Register in advance for this webinar [here](#).** After registering, you will receive a confirmation email containing information about joining on December 6th.



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Column Editors

Expanding the Pipeline

Soha Hassoun, Tufts University
Patty Lopez, New Mexico State University

American University

Department of Computer Science

College of Arts and Sciences

Position Announcement: Open Rank

The Department of Computer Science in the College of Arts and Sciences at American University invites applications for a full-time, open-rank, tenure-line position beginning August 1, 2024. Applicants should have a PhD or an anticipated PhD completion by August 2024 in Computer Science or related fields. Depending on experience and qualification, the appointee to this position may be recommended for tenure at the time of hiring. Candidates can apply at the assistant, associate, or full professor level and we welcome applications from both academic and nonacademic organizations.

We are looking for candidates who are excited at the prospect of joining a growing department where they will be able to make their mark. Preference will be given to candidates with a record of high-quality scholarship. For candidates applying at the associate or full professor level, a record of external funding is also expected. The committee will consider candidates engaged in high-quality research in any area of Computer Science related to Artificial Intelligence (E.g., Natural Language Processing, Machine Learning, Network Analysis, Information Visualization), Theoretical Computer Science (Computational Theory, Graph Theory, Algorithms), Cybersecurity, and other traditional areas of Computer

Science (E.g., Software Engineering, Database Systems, Graphics, etc.).

For more information, please go to: <http://apply.interfolio.com/130734>. When applying, please include a letter of application, curriculum vitae, list of three references, recent teaching evaluations (when possible), a diversity statement, and copies of recent published papers or working papers. Please contact Department Chair Nathalie Japkowicz at japkowicz@american.edu if you have any questions.

Review of applications will begin on November 1.

Amherst College

*Assistant Professor of Computer Science
(Two Positions)*

The Amherst College Department of Computer Science invites applications for two full-time tenure-track positions at the rank of assistant professor, beginning July 1, 2024. Candidates in all areas of computer science are encouraged to apply. Amherst College is one of the most diverse liberal arts colleges in the country. Nearly half of our students identify as domestic students of color, and another 11 percent are international, with non-U.S. citizenship; 16 percent are the first members of their families to attend college.

Amherst is committed to providing financial aid that meets 100 percent of every student's demonstrated need, and nearly 60 percent of our students

receive financial aid. Our expectation is that the successful candidate will excel at teaching and mentoring students who are broadly diverse with regard to race, ethnicity, socioeconomic status, gender, nationality, sexual identity, disability/ability, and religion.

Both research and teaching are strongly supported by the college, which is situated within a vibrant intellectual community (including the University of Massachusetts Amherst, an R1 university with a highly ranked CS department). The department has eight tenure-line faculty with research programs in areas including performance modeling, natural language processing, data science, machine learning, algorithms, complexity, and systems. A number of faculty are supported by NSF research grants. The department is housed in a recently constructed science center that contains top-notch research and teaching facilities. The teaching load is two courses per semester, in addition to advising senior honors theses.

Amherst College is a small, highly selective liberal arts college located in western Massachusetts. The college is part of the Five College Consortium, which supports collaborations with nearby Hampshire, Mount Holyoke, and Smith Colleges, and affords many opportunities for joint work with researchers at the University of Massachusetts.

The successful candidate must have a Ph.D. in computer science or have fulfilled all requirements for the degree by the start of the appointment. A cover letter,

curriculum vitae, research and teaching statements, and three confidential letters of recommendation should be submitted electronically to <https://apply.interfolio.com/128557>.

Applications received by October 16, 2023, will be assured of full consideration.

Review of applications will continue until the positions are filled.

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

Austin College

Assistant Professor of Data Science

The Austin College Department of Mathematics and Computer Science invites applications for the tenure-track position of Assistant Professor of Data Science. Candidates must have PhD in hand before the position begins in August 2024.

The successful candidate should have a strong commitment to teaching. This position will be responsible for helping design and develop the future of the data science program as it transitions from a minor degree to a major degree. Teaching responsibilities will typically include three classes per semester in introductory and advanced courses in data science, and related classes in mathematics and/or computer science classes. In addition to each semester, you will teach one January Term course in alternate years.

For information about how to apply visit Austin College's HR website. <https://www.austincollege.edu/wp-content/uploads/2023/09/DSA-Job-Ad.pdf>

For full consideration, applications should be received by November 1st.

Austin College

Assistant Professor of Computer Science

The *Austin College* Department of Mathematics and Computer Science invites applications for the tenure-track position of Assistant Professor of Computer Science. Candidates must have PhD in hand before the position begins in August 2024.

The successful candidate should have a strong commitment to teaching. While applicants who can expand Austin College's course offerings in graphics, AI/ML, video game development, networking, or cybersecurity are preferred, we welcome all candidates to apply. Teaching responsibilities will typically include three classes per semester, both in introductory and advanced courses in computer science, and a January Term course in alternate years.

For information about how to apply visit Austin College's HR website. <https://www.austincollege.edu/wp-content/uploads/2023/09/MACS-CS-Job-Ad.pdf>

For full consideration, applications should be received by November 1st.

Bard College

Assistant Professor (Tenure Track) Computer Science

Bard College invites applications for a tenure-track Assistant Professor position in Computer Science to begin Fall 2024.

A Ph.D. in computer science or a related field is required. The successful candidate will be committed to innovative undergraduate teaching at a liberal arts college with a diverse student body, maintaining an active research program, contributing to the general education curriculum, and engaging with the life of the college.

Qualifications

- We seek candidates with scholarly pursuits that complement the current faculty specializations in computational biology, computer science education, artificial intelligence, natural language, spoken human/computer interfaces, human-robot interaction, data science, and algebraic and symbolic computation.
- Candidates should also be excited about interdisciplinary connections and the possibility of contributing to existing interdisciplinary activities on campus and establishing new ones.
- The department offers a B.A. in computer science, leads the new program in Data Analytics, and contributes to several programs including Experimental Humanities and Mind, Brain, Behavior.

To Apply

Please submit the following to Interfolio at: <https://apply.interfolio.com/130313>.



Multiple Faculty Positions - Computer Science, Software Engineering, Cybersecurity, and Data Science

The Department of Computer Science at Baylor University seeks qualified candidates for multiple faculty positions in Computer Science, Software Engineering, Cybersecurity, and Data Science, beginning in August 2024. Successful candidates will have appropriate-level degrees in those specific or closely related fields, and a commitment to excellence in teaching, a passion for mentoring students, and effective communication and organization skills. For tenure/tenure-track positions, selected candidates will be expected to develop an externally funded research program and lead graduate and undergraduate students in research.

Please see the full position descriptions here: <https://aptrkr.com/4402470>

About the department:

Computer Science is one of three departments in the School of Engineering and Computer Science. It offers an ABET-accredited B.S. in Computer Science, a B.A. with a major in Computer Science, a B.S. in Informatics with majors in Data Science and Bioinformatics, a B.S. in Computing with a major in Computer Science Fellows, and M.S. and Ph.D. degrees in Computer Science.

Data Science is one of the five signature Academic Initiatives under Baylor's "Illuminate" Strategic Plan (<https://illuminate.web.baylor.edu/>). A McCollum Family Chair in Data Sciences was hired in 2020, and the number of undergraduate data science majors has grown from 0 to 95 in three years.

The Department has 15 full-time faculty, over 300 undergraduate majors and 30 graduate students. Our faculty cover a broad range of research interests, including artificial intelligence, big data, bioinformatics, cybersecurity, data science, databases, distributed systems, fintech, and software engineering. The Department's greatest strength is dedication of the faculty members to the success of the students and each other.

About Baylor University:

Located in Waco, Texas, Baylor University is the oldest college in Texas. With 19,000 students and an R1 Carnegie Classification, it is one of the top universities in the nation. Baylor's mission is educating men and women for worldwide leadership and service by integrating academic excellence and Christian commitment within a caring community.

Application Procedure:

All materials should be submitted through the appropriate Interfolio links included in this advertisement. Required materials include a cover letter, curriculum vitae, letters of recommendation, and a statement of faith. We encourage candidates to apply as soon as materials are ready. For full consideration, applications should be received by December 1, 2023. However, applications will be accepted until the position is filled, and will close on May 31, 2024. Questions can be emailed to CSSearch@Baylor.edu. Interested candidates may also contact any faculty member to ask questions and/or visit the department web site at <https://www.ecs.baylor.edu/computerscience>

Baylor University is a private not-for-profit university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity employer, Baylor is committed to compliance with all applicable anti-discrimination laws, including those regarding age, race, color, sex, national origin, military service, genetic information, and disability.

Baylor's commitment to equal opportunity and respect of others does not undermine the validity and effect of the constitutional and statutory protections for its religious liberty, including, without limitation, the religious organization exemption under Title VII of the Civil Rights Act of 1964, the religious exemption to Title IX of the Education Amendments of 1972, and the Free Exercise Clause of the First Amendment to the United States Constitution, among others. Baylor encourages women, minorities, veterans, and individuals with disabilities to apply.

EEO/M/F/Vets/Disabled

- Cover letter
- CV
- Separate teaching and research statements which include discussion of working with a diverse student population
- Three letters of recommendation (at least one addressing teaching)

Review of applications will begin October 16, 2023.

For information on the Computer Science Program at Bard, visit <http://cs.bard.edu>, or contact Valerie Barr: vbarr@bard.edu.

Bates College

Assistant/Associate Professor in Statistics

The Bates College Mathematics Department invites applications for a tenure-track Assistant or Associate Professor, beginning August 2024. We seek candidates who specialize in areas including mathematical statistics, computational statistics, data science, or development of statistical methods.

Candidates should be able to demonstrate a commitment to undergraduate education and a commitment to collaboration, collegiality and building an inclusive academic environment. Candidates with demonstrated success in teaching and/or supporting marginalized, first generation and historically underrepresented students are especially encouraged to apply. Candidates should show promise of excellence and innovation in both teaching and scholarship.

FMI and to apply, please see: <http://apply.interfolio.com/131210>

Boise State University

Tenure-Track Assistant Professor, Cybersecurity

The Department of Computer Science at Boise State University invites applications for a tenure-track faculty position at Assistant rank. Seeking an applicant in cybersecurity (especially candidates in the area of cybersecurity for cloud computing, operating systems, networking, etc.). Strong candidates in other areas of Computer Science will also be considered.

Responsibilities include teaching undergraduate and graduate courses, developing a strong research program funded by external sources, supporting and mentoring undergraduate and graduate students, and providing service to the University and the profession along with other activities typical for a tenure-track faculty. Candidates will start fall 2024.

A PhD in computer science, or a closely related field, is required by the date of hire. Applicants should demonstrate potential for establishing a record of excellence in teaching, significant contributions in research, and experience in collaborating with faculty or industry to develop and sustain funded research programs.

Review of applications will begin on October 15 and will continue until the position is filled.

Boise State has made significant investments in the growth of the department, which is a critical part of the software and high-tech industry in Boise. Eighteen new faculty hires, a new building downtown, and new undergraduate and

graduate programs have been added as the department has more than tripled in size. Faculty have active funded research programs, with several large funded grants and six active NSF CAREER awards.

Please visit <https://jobs.boisestate.edu/en-us/job/497860/assistant-professor-cybersecurity> to submit a cover letter addressed to the CS Search Committee indicating your interests and qualifications for this position, a CV that includes employment history, and statements of research and teaching interests. Provide three professional references with contact information.

Boise State University

Tenure-Track Assistant Professor, Systems

The Department of Computer Science at Boise State University invites applications for a tenure-track/tenured faculty position at Assistant Professor rank. Seeking an applicant with focus on systems in one or more of a wide range of areas and topics including high-performance computing, compilers, operating systems, distributed computing, embedded software and systems, hardware software codesign of ultra-scale systems, and programming languages. The potential to collaborate across multi-disciplinary research at Micron is a plus. Micron is headquartered in Boise and has their main R&D operations located in Boise. Strong candidates in other areas of Computer Science will also be considered as long as they have interest in teaching some systems courses.

Responsibilities include teaching undergraduate and graduate courses,

developing a strong research program funded by external sources, supporting and mentoring undergraduate and graduate students, and providing service to the University and the profession along with other activities typical for a tenure-track faculty. Candidates will start fall 2024.

A PhD in computer science, or a closely related field, is required by the date of hire. Applicants should demonstrate potential for establishing a record of excellence in teaching, significant contributions in research, and experience in collaborating with faculty or industry to develop and sustain funded research programs.

Review of applications will begin on October 23 and will continue until the position is filled.

Boise State has made significant investments in the growth of the department, which is a critical part of the software and high-tech industry in Boise. Eighteen new faculty hires, a new building downtown, and new undergraduate and graduate programs have been added as the department has more than tripled in size. Faculty have active funded research programs, with several large funded grants and six NSF CAREER awards in the last seven years.

Please visit <https://jobs.boisestate.edu/en-us/job/497875/assistant-professor-systems> to submit a cover letter addressed to the CS Systems Search Committee indicating your interests and qualifications for this position, a CV that includes employment history, and statements of research and teaching

interests. Provide three professional references with contact information.

Boston College

Egan Chair of Computer Science

The Morrissey College of Arts and Sciences at Boston College invites applications for a senior scholar to serve as the John R. and Pamela Egan Chair of Computer Science. We are seeking a scholar whose area of expertise is in Computer Science broadly understood. Applicants should present a distinguished record of publication and teaching experience in areas related to Computer Science. The appointment will be a tenured position at the rank of Full Professor in the Computer Science Department, with a preferred start in advance of the Fall 2024 semester.

To apply go to: <http://apply.interfolio.com/131550>

Equal Employment Opportunity Statement:

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

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

Boston College

*Non-Tenure-Track Faculty,
Applied Data Science*

The **Computer Science Department at Boston College** invites applications for the position of Assistant Professor of the Practice, with a joint appointment in Messina College, a two-year college division of Boston College that will offer an associate's degree program. The hire will support course offerings in the Computer Science Department of the Morrissey College of Arts and Sciences and in the Applied Data Science major at Messina College. The ideal candidate will have experience working with diverse and first-generation students and/or the ability to demonstrate broad teaching excellence.

This is a full-time, non-tenure-track position with a three-year renewable contract, to begin in advance of the 2024 fall semester.

To apply go to: <http://apply.interfolio.com/131424>

Equal Employment Opportunity Statement

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

Boston College is a Jesuit, Catholic university that strives to integrate research excellence with a foundational commitment to formative liberal arts education. The university is an affirmative action, equal opportunity employer. In concert with our Jesuit, Catholic mission, Boston College is dedicated to the goal of

building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications from women, minorities, individuals with disabilities, and covered veterans.

Boston College

Tenure Track Faculty Positions in Computer Science

The Computer Science Department of Boston College is in an exciting period of growth and seeks to fill up to three open rank tenure-track positions beginning in the 2024-2025 academic year. Successful candidates for these positions will be expected to develop strong research programs that can attract external funding, in an environment that also values high-quality undergraduate teaching. The strategic plan for Computer Science at Boston College includes launching a Ph.D. program in the next few years, and these new tenure-track hires will be encouraged to play an important role in the development of that program.

Equal Employment Opportunity Statement: Boston College is an affirmative action, equal opportunity employer. In concert with our Jesuit, Catholic mission, Boston College is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications from women, minorities, individuals with disabilities and covered veterans. Boston College conducts background checks as part of the hiring process. A Ph.D in

Computer Science or a closely related discipline is required.

Our review of applications will begin on November 10th, 2023 and will continue until the positions are filled.

Applicants should submit a cover letter, a detailed CV, and teaching and research statements, and should arrange for three confidential letters of recommendation to be uploaded directly to Interfolio.

To apply go to: <http://apply.interfolio.com/131533>

Boston University

Tenure-Track Assistant Professor

The College of Engineering at Boston University has embarked on a bold new strategic plan aimed at excellence and impact along convergent and collaborative research themes. **The Department of Electrical & Computer Engineering (ECE)** at Boston University(BU) anticipates multiple openings for a **Tenure-Track Assistant Professor** in the area of **Computer Systems**. We seek candidates in operating systems, compilers, cybersecurity, or software engineering to build future cloud and edge computing systems for a smart, secure and connected society. Potential application areas include healthcare, communications, transportation, finance, and scientific computing.

Candidates with research programs that transcend the traditional boundaries of ECE may explore affiliated appointments in appropriate departments and divisions, such as Computer Science, Mathematics and Statistics, Systems Engineering, or

the newly created Faculty of Computing and Data Sciences.

BU ECE attracts exceptional undergraduate and graduate student and faculty talent at all levels. Research activity by primary faculty is approximately \$26M per year. The College of Engineering is currently ranked 35th in the nation by US News and World Report, and 15th among private universities. The College is 5th in the nation in total funding from NSF among engineering schools at private universities. BU ECE faculty lead and participate in several high-profile, multidisciplinary research centers, including the Center for Information and Systems Engineering, the Hariri Institute for Computing and Computational Science and Engineering, the Center for Systems Neuroscience, the Rajen Kilachand Center for Integrated Life Science and Engineering, and the Photonics Center.

We are looking for outstanding candidates who have earned or are expected to earn a Ph.D. in the relevant search area before Fall 2024, demonstrate potential for leading an independent and vibrant funded research program in their area of expertise, can teach effectively at the graduate and undergraduate levels, and can utilize their expertise to strengthen collaborative research within the department and beyond.

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

We encourage candidates to apply early. Applications received by **December 15, 2023** will be given full consideration.

For more information and to apply please visit: <https://academicjobsonline.org/ajo/jobs/25188>.

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

Brandeis University

Assistant Professor in Computational Linguistics

The Department of Computer Science at Brandeis University invites applications for a tenure-track assistant professor in computational linguistics, beginning Fall 2024. Qualifications required of all applicants include a Ph.D., in hand by Fall 2024, in Computer Science or a related discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates pursuing research in the broad area of speech, dialogue, or multimodal language processing.

For more information, see: <https://academicjobsonline.org/ajo/jobs/25467>.

Bucknell University

Open Rank Tenure-Track Position in Computer Science

The Computer Science Department at Bucknell University invites applications for an open-rank tenure-track position starting in August 2024. We seek candidates with the potential to effectively teach computer science courses throughout the curriculum and to contribute an elective in their area of interest. Candidates whose scholarship is in any area of computer science or a closely related field should apply. We are looking for candidates who have an active intellectual life that they wish to share with the Bucknell community, and we strongly encourage candidates from groups underrepresented in higher education to apply. Bucknell is a highly selective primarily undergraduate university with a strong commitment to the intellectual freedom and broad experience of a residential liberal arts education. We emphasize student-centered education and support faculty in developing and maintaining active research programs that engage undergraduate students. Our department is very collegial and collaborative, and we look forward to welcoming, supporting, and mentoring new colleagues in all aspects of their responsibilities.

Visit the [website](#) to review the full description and apply.

California State Polytechnic University, Pomona

Assistant Professors, Computer Science

The Computer Science Department at Cal Poly Pomona invites applications for the two tenure-track positions at the rank of Assistant Professor, appointment effective Fall 2024. We have a strong commitment to inclusive excellence and to educational experiences that leverage the diverse perspectives and experiences needed to succeed and thrive in a diverse society. Duties and responsibilities: actively engage in the teaching, research and curricular development activities of the department at both undergraduate and graduate levels; actively engage in department/university services.

Required Qualifications: Possess at the time of appointment, a Ph.D. in Computer Science or closely related area. Demonstrated commitment to inclusivity and equity. Demonstrated potential to establish an active research program with undergraduate and/or master's students. Demonstrated potential to teach a broad range of undergraduate courses and graduate courses.

Consideration of completed applications will begin on Oct. 16, 2023, and will continue until the position is filled.

For expanded position description and application information, please go to PageUp job Ad (<https://careers.pageuppeople.com/873/po/en-us/job/531053/computer-science-assistant-professor>). For general inquiries, please call 909-869-3440 or email cs@cpp.edu.

EOE

California State University, Northridge

*Assistant Professor -
Generalist (3 positions)*

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

The successful candidate will teach a variety of courses at both the undergraduate and graduate levels, and have research interests in Cloud Computing, Big Data Management, Cybersecurity, Network Architecture, Dev-Ops, Operating Systems, Theoretical Computer Science, Computer Graphics, Virtual Reality/Augmented Reality, Software Engineering, Database Systems, or Algorithms.

In addition to teaching, the position requires weekly office hours, attending faculty meetings, participation in assessment of student learning, and service to the department, college, and university. The successful candidate will be held to the standards and requirements of the college and department in which he/she/they is/are housed for recommending tenure and promotion. Given CSUN's commitment to excellence in teaching, research, and engagement in a diverse environment, the successful candidate will help the Department achieve equitable academic outcomes for all students through teaching, student mentorship, scholarship, and service.

Faculty Hire Number: #24-03

Screening of applications will begin September 27, 2023

For a full job description and to apply, please visit: <https://careers.pageuppeople.com/873/nr/en-us/job/530070/assistant-professor-generalist-computer-science-2403>

California State University, Northridge

Assistant Professor - Data Science (2 positions)

The Department of Computer Science at California State University, Northridge (CSUN) is seeking a tenure-track faculty member at the rank of assistant professor, with a specialization in data science.

The successful candidate will teach primarily data science courses at both the undergraduate and graduate levels, and have research interests in Computational Data Science, Machine Learning, or Natural Language Processing.

In addition to teaching, the position requires weekly office hours, attending faculty meetings, participation in assessment of student learning, and service to the department, college, and university. The successful candidate will be held to the standards and requirements of the college and department in which he/she/they is/are housed for recommending tenure and promotion. Given CSUN's commitment to excellence in teaching, research, and engagement in a diverse environment, the successful candidate will help the Department achieve equitable academic

outcomes for all students through teaching, student mentorship, scholarship, and service.

Faculty Hire Number: #24-04

Screening of applications will begin September 27, 2023.

For a full job description and to apply, please visit: <https://careers.pageuppeople.com/873/nr/en-us/job/530073/assistant-professor-data-science-computer-science-2404>.



SACRAMENTO STATE
California State University, Sacramento
Department of Computer Science
Tenure Track Faculty - Computer Science

Three tenure-track assistant professor positions to begin with the Fall 2024 semester. Applicants specializing in all areas of computer science will be considered and are encouraged to apply. Ph.D. in Computer Science, Computer Engineering, or closely related field required by the time of the appointment.

For detailed position information, including application procedure, please see:
<https://apptrkr.com/4497511>

Screening will begin in Fall 2023, and remain open until filled.
Mandated reporter requirements.
Criminal background check will be required.
Clery Act statistics available.
AA/EEO employer.

Carnegie Mellon University in Qatar

Faculty Positions in Computer Science and Computational Biology

Carnegie Mellon University in Qatar invites applications for CMU teaching-track faculty positions, in Computer Science, in Computational Biology, and in Human-

Computer Interaction to begin in Fall 2024. All appointments are at the level of assistant professor, but applicants with significant experience in teaching and major impact in CS research and education may also be considered for a higher level.

Candidates must have a Ph.D. in Computer Science, Computational Biology, Human-Computer Interaction or related field

Review of complete applications will commence on Oct. 15, 2023 or until the position is filled.

More information can be found at, and applications can be submitted through Interfolio: <http://apply.interfolio.com/131822>.

Carnegie Mellon University

School of Computer Science

Faculty Hiring All Tracks

The School of Computer Science at Carnegie Mellon pushes the boundaries of computer science research and education. The School houses seven departments: Computational Biology, Computer Science, Human-Computer Interaction, Software and Societal Systems, Language Technologies, Machine Learning and Robotics.

SCS is seeking to fill several faculty positions across all departments, in all tracks and at all levels, with joint appointments when appropriate. The four faculty tracks in our School include: tenure, research, systems and teaching tracks. We are seeking candidates with a strong interest in research

and/or teaching, an earned Ph.D. (in computer science or relevant fields), and outstanding academic credentials. Such candidates should be effective at collaborating with other faculty. Candidates for tenure and teaching track appointments should also have a strong interest in graduate and undergraduate education and therefore must be prepared to teach in a wide variety of settings, including large undergraduate lecture courses and classes delivered in non-traditional formats. Research track faculty are not required to teach and generally focus most or all of their effort on cutting-edge research. Systems track similarly teach only on an exceptional basis and focus all or most of their effort on designing and building novel systems.

Candidates with a commitment toward building an equitable and diverse scholarly community are particularly encouraged to apply. We seek to continuously improve the diversity of our student, staff and faculty populations, including and especially through annual faculty hiring processes.

Each department's hiring committee thoroughly reviews the qualifications of every applicant, and are particularly enthusiastic about applicants whose background and experiences would make them unique among our faculty. Applications from candidates who have a demonstrated track record in mentoring and nurturing women and students from groups traditionally underrepresented in computer science are strongly encouraged.

We will begin accepting applications beginning August 2, 2023. To ensure

full consideration of your application, please submit all materials no later than December 13, 2023. In your cover letter, please indicate clearly the department(s) you are applying to. You can learn more about our hiring plans and application instructions by visiting <https://scsdean.cs.cmu.edu/faculty-hiring>. IMPORTANT: At this site you will find guidance regarding specific timelines for review of applications in each of our departments.

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

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

Carnegie Mellon University

INI Teaching Track and Non-Tenure Track Faculty Position

The Information Networking Institute (INI) at Carnegie Mellon University (CMU) is soliciting applications for faculty at all levels for CMU's main campus in Pittsburgh, PA. We are

seeking teaching track candidates in our core technical areas of networking, security, mobile and IoT engineering, and AI engineering, including but not limited to: mobile computing, embedded systems, Internet of Things technologies, telecommunications, data analytics and artificial intelligence, information security, software security, network security, artificial intelligence and cyber operations.

Please visit <https://www.cmu.edu/ini/about/team/joinourteam.html>

Qualifications: Doctorate in computer engineering, electrical engineering, computer science, or closely related fields is preferred, or equivalent combination of advanced degree in the listed fields with strong teaching background, relevant industry experience and/or tech entrepreneurship, and other related qualifications.

Individuals interested should apply online at <http://apply.interfolio.com/131287>.

Carnegie Mellon University

School of Computer Science

Faculty Hiring Teaching Track

The School of Computer Science (SCS) at Carnegie Mellon University is one of the world's leading organizations for computer science academic research and education. The college houses seven departments: Computational Biology, Computer Science, Human-Computer Interaction, Software and Societal Systems, Language Technologies, Machine

Learning, and Robotics. Carnegie Mellon University is located in Pittsburgh, PA, USA, a vibrant yet affordable city known especially for its opportunities and resources in medicine, technology, the arts, and higher education.

SCS is seeking to fill several teaching track faculty positions, across all departments, with joint appointments when appropriate. The teaching track in SCS offers career-oriented positions focused on educational excellence.

Candidates for teaching track appointments should have strong interest and experience in graduate and undergraduate education, a Ph.D. in Computer Science or a relevant field, and outstanding academic credentials. Some programs will consider applicants with an MS and significant experience. The position involves teaching classes in their general area of expertise, ranging from large undergraduate lecture courses to small studio courses depending on departmental needs. We encourage candidates looking to gain teaching experience to explore the Postdoctoral Teaching Fellow programs available in SCS <https://apply.interfolio.com/124667>.

In addition to being excellent educators, candidates are encouraged to contribute to the department through activities such as research, outreach, advising, or curriculum development.

Candidates with a commitment to building an equitable and diverse scholarly community are particularly encouraged to apply. We encourage applications from

candidates who have a demonstrated track record in mentoring and nurturing students from groups traditionally underrepresented in computer science.

We will begin accepting applications beginning August 2, 2023. We will review applications based on two deadlines: October 4, 2023 and December 13, 2023. To ensure full consideration of your application, please submit all materials no later than your chosen deadline. In your cover letter, please indicate clearly the department(s) to which you are applying. You can learn more about the hiring plans of each department and application instructions by visiting <https://scsdean.cs.cmu.edu/faculty-hiring>.

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

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



**Tenure-Track Assistant Professor of Computer Science
with Expertise in Artificial Intelligence and Machine Learning**

Located in beautiful Charleston, SC, The Citadel Department of Cyber and Computer Sciences seeks to hire a tenure-track assistant professor of computer science with expertise in artificial intelligence and machine learning beginning in Fall 2023 or Spring 2024. A doctorate in Computer Science or a closely related discipline is required. ABD candidates will be considered if the degree can be completed by the start date. A strong aptitude for teaching courses in Artificial Intelligence and Machine Learning is desired. Candidates able to engage students in research and projects will be preferred. All application materials should be submitted online at The Citadel Careers website: www.citadel.edu/careers.

Position Description

The primary role of the faculty is the education of students in the classroom and advising the students with their academic programs. Faculty members are also responsible for scholarly activity and service. The Citadel supports faculty scholarship and professional development. Internal funding is available for research, development, and travel. The contract is for a full-time, 9-month position. Teaching responsibilities include undergraduate courses in computer science for majors and minors and graduate-level courses in computer and information sciences. A normal teaching load is 12 hours per week with small class sizes. Applicants should be able to teach courses in Artificial Intelligence and Machine Learning.

Department and College Profile

The Department has 7 full-time and 7 adjunct faculty members and offers the B.S. in Computer Science with concentrations in Data Science, Cybersecurity and AI/Machine Learning; B.S. in Cyber Operations; M.S. in Computer and Information Sciences (jointly with the College of Charleston); graduate certificates in cybersecurity and software engineering; and undergraduate minors in cybersecurity, cyber inter-disciplinary studies, data science, and computer programming. The B.S. in Computer Science program is accredited by the Computing Accreditation Commission of ABET, <https://www.abet.org>, under the General Criteria and the Computer Science Program Criteria. The Citadel is a fully accredited, public, comprehensive, co-educational college with a student body of 2300 undergraduate and 1000 evening and graduate students. Salary and fringe benefits are competitive, and other benefits include full health and retirement plans, access to the Citadel Beach House located on Isle of Palms, access to the Citadel Boating Center, employee discounts, and more. Candidates should exemplify The Citadel's core values of honor, duty, and respect.

Questions about the position may be directed to Dr. Michael Verdicchio, Chair of Faculty Search Committee, Department of Cyber and Computer Sciences, The Citadel, 171 Moultrie Street, Charleston, SC 29409, phone: 843-953-6987, or by email: mv@citadel.edu.

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

citadel.edu/ccs

research leave prior to tenure review, and generous sabbatical and fellowship leaves for tenured faculty. Candidates must demonstrate excellence in scholarship and a commitment to effective undergraduate teaching in the context of a liberal arts college. A Ph.D. in computer science or closely related field is required by the beginning of the appointment.

The College of the Holy Cross uses Interfolio to collect job applications electronically. Please submit all application materials (cover letter, curriculum vitae, three confidential letters of recommendation, transcripts, statements on research, teaching, and the ways you might contribute to and further the College's mission as a Jesuit, undergraduate liberal arts college and its core commitment to diversity and inclusion) to <https://apply.interfolio.com/129369>. The College, a highly selective Catholic liberal arts college in the Jesuit tradition, values dialogue among people from diverse perspectives as integral to the mission and essential to the excellence of our academic program. The College is an Equal Employment Opportunity Employer and complies with all Federal and Massachusetts laws concerning equal opportunity and affirmative action in the workplace.

Application review will begin on October 16, 2023 and continue until the position has been filled.

Direct questions to Professor Laurie King, lking@holycross.edu.

College of the Holy Cross

Tenure-Track Assistant Professor Faculty Position in Computer Science

The Department of Mathematics and Computer Science at the College of the

Holy Cross invites applications for a full-time tenure-track Assistant Professor in computer science beginning August 2024. All research specialties will be considered. This position carries a 3-2 teaching load with a full-salary one-semester

Colorado School of Mines

Department of Computer Science

Faculty Positions Available

The Department of Computer Science at Colorado School of Mines (CS@Mines) invites applications for tenured/tenure track and teaching faculty!

T/TT Faculty: CS@Mines has multiple tenured/tenure-track faculty positions available. We are especially interested in candidates with research specialization in one or more of the following areas: (1) machine learning and AI, (2) systems, and 3) Quantum Computing. Mines is offering an academic year salary range of \$105,000 – \$180,000.

For full details, see: https://mines.wd1.myworkdayjobs.com/en-US/Mines_Careers/details/Tenured-Tenure-Track-Faculty-Positions--Department-of-Computer-Science_JR102131.

Teaching Faculty: CS@Mines is looking for passionate instructors to teach a variety of computer science core and elective courses. Candidates should also plan to support departmental diversity, equity, and inclusion efforts, coordinate multi-section courses, and participate in curriculum innovations and improvements. Mines is offering an academic year salary range of \$86,000 – \$110,000.

For full details, see: https://mines.wd1.myworkdayjobs.com/en-US/Mines_Careers/details/Teaching-Faculty--Department-of-Computer-Science_JR102129.

Evaluation of applicants will begin on October 1st and will be ongoing until the positions are filled. Contact recruitment@mines.edu with any questions.

Colorado State University

Computer Science Instructor - Open Pool

The CSU Department of Computer Science is accepting applications for teaching positions during the 2023-2024 academic year. The open positions are non-tenure track and may be temporary or special assignment. Annual terms and reappointment may depend on performance and/or funding availability.

To read the full job announcement and apply to the open pool active until May 31, 2024, see <https://jobs.colostate.edu/postings/127400>.

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

Colorado State University

Computer Science Scholar - Open Pool

The Computer Science Scholar program at the Department of Computer Science at Colorado State University seeks applications for the 2023-2024 academic year from individuals who are interested in obtaining teaching and research experience, with mentoring, in preparation for seeking a tenure-track position. Open positions may be temporary or special assignment and are non-tenure track. Annual terms and reappointment may depend on performance and/or funding availability.

To read the full job announcement and apply to the open pool see <https://jobs.colostate.edu/postings/125695>.

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

Columbia University

Lecturer in Discipline

The School of International and Public Affairs at Columbia University in the City of New York invites applications for a full-time, non-tenure-track, renewable position of Lecturer in Discipline, to begin July 1, 2024.

Disciplinary specialization is open. Applications are encouraged from scholars working in computational social sciences and/or quantitative methodology for the social sciences, such as Applied Statistics, Computer Science, Econometrics and Political Methodology.

The successful candidate will contribute to teaching and intellectual leadership in the SIPA Data Analytics and Quantitative Analysis Curriculum at the master's level, and ideally engage with other SIPA and Columbia faculty to address one or more of the following global policy challenges:

democratic resilience; technology and innovation; geopolitical stability; inclusive prosperity and macroeconomic performance; climate and sustainable development.

Qualifications

Ph.D. required at the time of appointment. Candidates must have demonstrated record of accomplishment in teaching and in an appropriate field of research. Research interests should be policy-relevant.

Application Instructions

Applicants should upload a cover letter, curriculum vitae, letters of references (3), and a writing sample.

Please visit our online application site at: <https://apply.interfolio.com/129345> for further information about this position and to submit your application.

Screening of the candidates will begin immediately, and the search will remain open for at least 30 days from the day of posting and continue until filled. For further information, please contact Deirdre Brady, Senior Assistant Dean for Academic Affairs, at d.brady@columbia.edu.

Columbia University is an Equal Opportunity/Affirmative Action employer. SIPA is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a diverse environment, and strongly encourages applications from women, minorities, individuals with disabilities, and veterans.

Cornell University

Full-Time Lecturer Opportunity

The Cornell University Department of Computer Science (CS) in the Cornell Ann S. Bowers College of Computing and Information Science (Bowers CIS) invites applications from outstanding candidates with a passion for undergraduate teaching for a Lecturer position at Cornell's Ithaca campus. Lecturers are non-tenure track teaching faculty

members who are hired on multi-year appointments with the expectation of renewal and promotion.

Candidates for the position should hold a PhD in a computing-related field, have demonstrated commitment to teaching excellence and innovation, and be dedicated to fostering a diverse, equitable, and inclusive environment. We are seeking candidates who can teach large lower- and upper-level undergraduate and master's level courses across a range of computer science subfields.

A typical full-time (100% effort) load for a Lecturer in Computer Science is two courses per semester, where teaching and managing the course staff of large required undergraduate level courses counts as two courses. The department offers a collaborative and stimulating culture and a competitive salary and benefits package. Lecturers play a full and active part in departmental life and work with other faculty members and our excellent students in a broad range of ways, such as teaching upper-level courses, curriculum design and innovation, advising undergraduate and M.Eng. student projects, mentoring Ph.D. students interested in teaching careers, and participating in wider faculty governance and decision-making.

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. See <https://diversity.cis.cornell.edu/> for some Bowers CIS

activities in this area. In line with Cornell's historical commitment to educating "... *any person ... in any study*", we seek candidates who will create a climate that is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges.

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

Interested applicants should submit a cover letter, curriculum vitae, and a teaching statement speaking to experience, skills, distinct strengths, and evidence of past teaching success and ability and make arrangements for three letters of reference speaking to the candidates teaching skills and abilities to be submitted electronically. We ask applicants for all faculty positions to share their experiences and/or approaches (past, current, or future) to fostering learning, research service, and/or outreach in a diverse community. Applicants may choose to submit a stand-alone statement or embed the information in other parts of their application materials.

Application materials should be submitted at: <https://academicjobsonline.org/ajojobs/25536>

Evaluation of applicants will begin October 15, 2023, and continue until the positions are filled.

Professional Opportunities

Salary Range: \$58,600 – \$155,800

The salary range reflects an aggregate of qualifications and disciplines across Cornell University. Actual salary offers in Bowers CIS will be based on education, experience, discipline, and relevant skills.

For more information about Cornell Computer Science, please visit our website at: <https://www.cs.cornell.edu>. More information on our current undergraduate programs and course offerings is available at: <http://www.cs.cornell.edu/undergrad>.

Diversity and Inclusion are a part of Cornell University's heritage. We are

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

Cornell University

Tenured and Tenure-track Faculty

The Cornell University Department of Computer Science (CS) in the Cornell Bowers College of Computing and Information Science (Bowers CIS) has multiple faculty positions available at its Ithaca campus (tenured and tenure-track). Cornell CS is ranked among the top computer science departments in the country (<http://www.cs.cornell.edu/>). Ithaca, NY is in the heart of the Finger Lakes region, which offers a vibrant cultural life and a wide range of sporting and outdoor activities with the pleasures of both city and country close at hand.



**Cornell Bowers C-IS
Information Science**



Cornell Information Science is Hiring!

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

Welcoming applicants specializing in all areas and those specializing in...

Human-AI Interaction

TO APPLY, VISIT
academicjobsonline.org/ajo/jobs/25656

Application deadline: December 1, 2023
Questions? fac_recruit@infosci.cornell.edu



**Cornell Bowers C-IS
Information Science**



**CORNELL
TECH** | HOME OF THE JACOBS
TECHNION-CORNELL
INSTITUTE

Cornell Information Science is Hiring!

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

Welcoming applicants specializing in all areas and those specializing in...

Ethics, Law, and Policy

TO APPLY, VISIT
academicjobsonline.org/ajo/jobs/25657

Application deadline: December 1, 2023
Questions? fac_recruit@infosci.cornell.edu

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

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

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

To ensure full consideration, applications should be received by December 1, 2023, but applications will be accepted until all positions are filled.

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. In line with Cornell's historical commitment to educating "... *any person ... in any study*...", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges.

Applicants should submit a curriculum vitae and brief statements of research

and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted at: <https://academicjobsonline.org/ajo/jobs/25537>. We ask applicants for all faculty positions to share their experiences and/or approaches (past, current, or future) to fostering learning, research service, and/or outreach in a diverse community. Applicants may choose to submit a stand-alone statement or embed the information in other parts of their application materials.

Salary Range: \$76,200 - \$309,900

The salary range reflects an aggregate of qualifications and disciplines across Cornell University. Actual salary offers in Bowers CIS will be based on education, experience, discipline, and relevant skills.

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

Cornell University seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

Diversity and Inclusion are a part of Cornell University's heritage. We are



Cornell Bowers CIS
Information Science



Cornell Information Science is Hiring!

LECTURERS AND SENIOR LECTURERS
Ithaca, NY campus

Welcoming applicants specializing in...

- Web Programming and Design
- Application Development
- Information Visualization
- Human-Computer Interaction
- Data Science
- Network Science
- Ethics, Law, and Policy

TO APPLY, VISIT
academicjobsonline.org/ajo/jobs/25658

Application deadline: November 1, 2023
Questions? fac_recruit@infosci.cornell.edu

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

Cornell University, Cornell Tech

Tenured and Tenure-track Faculty

The Cornell University Department of Computer Science (CS) in the Cornell Bowers College of Computing and Information Science (Bowers CIS) has tenure-track and tenured faculty positions available at the Cornell Tech campus in New York City. Cornell CS is ranked among the top computer science departments in the country. Applications are welcome from all areas of computer science and related fields. We especially welcome applicants whose scholarship and service further the department's goals around diversity and inclusion.

Faculty hired in these positions at Cornell Tech will be members of the Department of Computer Science, which spans the Ithaca and New York City campuses. Their teaching and research will be based in New York City. This search also includes Cornell faculty positions that are part of

the Jacobs Technion-Cornell Institute at Cornell Tech, a joint academic venture between Cornell and the Technion - Israel Institute of Technology. A separate application is needed to be considered for a Computer Science position at the Ithaca campus; please visit the website <http://www.cs.cornell.edu/information/jobpostings> for further information about the Ithaca application process.

Cornell Tech is a research and graduate education campus of Cornell University located on Roosevelt Island in New York City. It emphasizes tight integration across disciplines, and engagement with external communities, organizations, K-12 education, and industry to amplify the societal and commercial impact of our research.

Tenured and tenure-track faculty must hold the equivalent of a Ph.D. degree. Applicants must have demonstrated an ability to conduct outstanding research, and should have a strong commitment to engagement and impact outside of academia. Successful candidates are expected to pursue an active research program, to teach Masters and Ph.D.-level graduate courses, and to supervise graduate students.

To ensure full consideration, applications should be received by December 1, 2023, but will be accepted until all positions are filled.

Applicants should submit a curriculum vitae and statements of research and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted. In accordance with Cornell

Tech's emphasis of external engagement, the candidate should address prior accomplishments and future plans related to the commercial and/or broader public engagement and societal impact dimensions of their research, within a clearly identified subsection of the Research Statement. We ask applicants for all faculty positions to share their experiences and/or approaches (past, current, or future) to fostering learning, research service, and/or outreach in a diverse community. Applicants may choose to submit a stand-alone statement or embed the information in other parts of their application materials.

The application should be submitted online at: <https://academicjobsonline.org/ajo/jobs/25541>.

Salary Range: \$76,200 - \$309,900

The salary range reflects an aggregate of qualifications and disciplines across Cornell University. Actual salary offers for Cornell Tech will be based on education, experience, discipline, and relevant skills.

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

Fostering an inclusive environment is a core value of the Computer Science Department, Cornell Tech, and Cornell as a whole. In line with Cornell's historical commitment to educating "*... any person ... in any study...*", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges.

Professional Opportunities

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

Davidson College

Assistant Professor

The Department of Mathematics and Computer Science at Davidson College invites applications for a tenure-track appointment in Computer Science at the rank of Assistant Professor, beginning July 1, 2024.

We seek candidates with a strong commitment to improving access to computer science for all students, enthusiasm for teaching all levels of undergraduate students, and a research program that can involve undergraduate researchers. The department is most interested in candidates with research expertise and teaching interests in systems (broadly defined), who can support and expand our [curriculum](#), and enhance research opportunities for students.

For a full job description and to apply, please visit <https://employment.davidson.edu>. Applications completed by **Sunday, October 1** will receive full consideration, though the position will remain open until filled.



DOE CSGF

**DEPARTMENT OF ENERGY
COMPUTATIONAL SCIENCE
GRADUATE FELLOWSHIP**

Applications Due
1.17.2024

The Department of Energy Computational Science Graduate Fellowship (DOE CSGF) provides up to four years of financial support for students pursuing doctoral degrees in fields that use high-performance computing to solve complex problems in science, engineering and mathematics. **Learn more at www.krellinst.org/csgf.**

U.S. DEPARTMENT OF ENERGY | Office of Science

NNSA
National Nuclear Security Administration

KRELL
INSTITUTE

At Davidson College, we believe the college grows stronger by recruiting and retaining a diverse faculty and staff committed to building an inclusive community. In order to achieve and sustain educational excellence, we seek to hire talented faculty and staff across the intersections of diverse races, ethnicities, religions, sexual orientations, gender identities, ages, socio-economic backgrounds, political perspectives, abilities, cultures, and national origin.

Dickinson College

Tenure-Track Assistant Professor of Computer Science

Dickinson College invites applications for a tenure-track Assistant Professor of Computer Science, beginning Fall 2024. Applicants should have a Ph.D. in computer science or a related field and an interest in innovative teaching in a liberal arts setting.

Please apply at <https://jobs.dickinson.edu/postings/7111>.

The computer science faculty pride themselves on innovative pedagogy, student-faculty research, interdisciplinary connections, and meaningful interactions between faculty and students. The CS curriculum at Dickinson includes an emphasis on civic engagement and the social value of computing.

The College is committed to building a representative and diverse faculty, administrative staff, and student body. We encourage applications from all qualified persons.

Duke University

Joint Open Rank Tenure-Track Faculty Positions -AI/ML for Cell Biology

The Duke University Departments of Cell Biology and Biostatistics and Bioinformatics jointly invite applications for a tenure-

track faculty position in the areas of large language models and other deep neural networks for biology. Successful candidates will have a strong interest in developing new algorithms and methods motivated by biological research in the areas of cell biology, developmental biology, neuroscience, and regenerative biology. Example application areas include foundation models for protein design or single-cell data, or other AI/ML approaches for spatial, multi-omic, genomic and proteomic data sets, biological imaging, or multiscale modeling. Particular attractions of this position include a generous startup package and benefits, a joint appointment in both departments and outstanding data and translational opportunities across Duke University. Duke has an exceptional history in biomedical research innovation that includes data science. Durham and the Research Triangle form a vibrant community with an outstanding climate intellectually, culturally, and for year-round physical activity and recreation. We strongly support an inclusive environment that is committed to the diversification of our faculty ranks.

Applicants should hold a Ph.D. in biomedical research or computer science-related fields relevant to this search. Successful candidates will have track records of creativity and productivity, a desire to integrate into our exciting, collaborative, and growing community, and a dedication to contributing to our values of diversity and openness. They will be expected to mount a productive and innovative research program, obtain outside funding, and participate actively in graduate and post-graduate training and mentorship. The application package should include

a cover letter accompanied by a one-page diversity statement, a curriculum vitae, a three-page statement of research (organized as a one-page summary of past research accomplishments and a two-page summary of your future research plans), and 3 letters of recommendation.

All applications should be submitted through: <https://academicjobsonline.org/ajojobs/25387>.

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 departmental diversity, inclusion, and antiracist work can be found at: <https://biostat.duke.edu/about/diversity-and-inclusion>

<https://www.cellbio.duke.edu/dei>

Important Dates: Applications will be reviewed starting October 1st, but should be received by no later than November 1, 2023, for full consideration. Top candidates will be invited to a virtual symposium to present their research and future plans.

Duke University

Professor of the Practice Positions in Computer Science

The Department of Computer Science at Duke University in Durham, North Carolina,

invites applications and nominations for a Professor of the Practice position starting in Fall 2024. The appointment will be made at the Assistant/Associate/Full Professor of the Practice rank depending on the candidate's experience. Duke has a long history of supporting faculty with practice-of titles who are educators, practitioners, and scholars, and the Computer Science Department has set high standards in providing a teaching and work environment in which the Practice-of faculty thrive.

Candidates are expected to have a doctoral degree in computer science or a related field. Successful candidates must have a strong commitment to and demonstrated excellence in teaching. They must show commitment to educating a broad and diverse group of students and to increasing the participation and success of students from groups underrepresented in computer science. Successful candidates at the Associate and Full Professor of the Practice level must also show examples of academic, scholarly, and educational success outside the classroom that have resulted in, or have the potential to result in, significant advancements in computer science education.

The term of an initial appointment depends on the rank, but is typically four years for a junior position. Reappointment and promotion are governed by departmental and university bylaws and guidelines that encourage faculty to be innovative, to succeed locally and nationally, and to develop new courses and curricula that mesh with ongoing and new initiatives.



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



The Department of Computer Science at Emory University is advancing research and education at the frontiers of AI and computing and seeks to recruit outstanding colleagues at all ranks.

Emory CS is vibrant and rapidly growing, with high impact research in AI, ML, DL, IR, NLP, HCI, data/graph mining, security, privacy, and high-end computing. We collaborate extensively across the social, natural, and life sciences to explore computational approaches to advancing society. Our faculty is passionate about scholarship, teaching, and citizenship. The Department (<http://www.cs.emory.edu>) is committed to positive change through CS scholarship, prides itself on a family-friendly, supportive, dual-career environment, and engages deeply with industry, alumni, and community. Broadening participation in computing is a key value, and we especially encourage applications from women and members of underserved groups.

Computer Science is central to Emory's AI. Humanity initiative (<https://aihumanity.emory.edu/>) that engages disciplines across the university around artificial intelligence. AI. Humanity exemplifies the remarkable environment that makes Emory a leader in collaborative interdisciplinary endeavors while advancing knowledge in fundamental and applied domains. The university is highly ranked for outstanding research and education as well as among America's Best Employers for Women and Best Employers for Diversity, and fosters a culture of excellence, inclusivity and cooperation. Our campus is an integral part of the energetic Atlanta, Georgia metropolitan area, offering a variety of cultural, social, and recreational opportunities, a mild climate, and unmatched accessibility.

Applications for Tenure-Track/Tenured Positions are invited from candidates with exceptional research, teaching, and citizenship profiles, for appointment as tenure-track Assistant Professor, or as tenured Associate/Full Professor. Applicants must have a PhD in Computer Science or a closely related field. Research areas of particular interest include:

- (1) *Data Mining and Machine Learning*: including deep learning, computer vision, information retrieval, knowledge management, databases, and data science broadly.
- (2) *Natural Language Processing*: all areas of NLP including multimodal learning, ethics, large language modeling, and interdisciplinary applications
- (3) *Biomedical Informatics*: computational methods and machine learning for life sciences and health
- (4) *Human Computer Interaction*: including interactive hardware and software, interaction techniques, evaluation, social computing, and technology for new users and communities
- (5) *Theory or Systems*: with preference for security, cryptography, high-end computing/data, and connections to the above four departmental focus areas

Applications comprising a cover letter explicitly specifying at most two of the above focus areas, CV, research, teaching, and diversity statements, and at least three letters of recommendation, are invited via <https://apply.interfolio.com/131882>. Informal inquiries are welcome via email to vss@emory.edu. Review of applications begins December 1, 2023. Full consideration will be given to applications received up to 30 days after review begins, until all positions are filled.

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

Practice-of faculty typically teach two undergraduate courses per semester with support from graduate and undergraduate Teaching Assistants as well as Teaching Associates.

Applicants should submit the following materials electronically through AcademicJobsOnline (<https://academicjobsonline.org/ajo/jobs/25606>), and solicit letters of reference:

- Cover letter
- Curriculum vitae
- A statement on teaching describing your teaching philosophy as well as your experience with teaching and mentoring, including evidence of teaching effectiveness (such as teaching evaluations)
- A statement of scholarly activities, which may include research on pedagogical focus
- A statement on diversity describing your experience in advancing diversity in teaching, scholarship and/or service, as well as your understanding of the importance of diversity and inclusion to the mission of Duke University
- Letters from at least three referees who can comment on the candidate's pedagogical skills, among other attributes.

For full consideration, applications and references should be received by October 2, 2023. Applications will continue to be accepted until the position is filled.

Duke is committed to further enhancing the diversity of its faculty and students. We seek faculty members who are also committed to building a diverse and inclusive community. We strongly

encourage applications from women and underrepresented minorities in computing. Please see www.cs.duke.edu and www.faculty.duke.edu for information about the Department and advantages that Duke offers to faculty.

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

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

George Mason University

Open Rank (Assistant/Associate/Full) Professor in Artificial Intelligence (AI) and Public Policy

The Schar School of Policy and Government and the School of Computing at George Mason University invite applications for a joint appointment faculty position in AI and Public Policy; the rank is open. George Mason University is hiring a cluster of faculty over the next several years to develop new research initiatives, courses, and programs in AI, Social Justice, and Public Policy. The successful candidate for this position will be one of the founding faculty for this cluster.

We seek candidates with expertise in the interface between artificial intelligence, governance and policy, and the social, behavioral or economic sciences, with very strong research records indicating continued high research productivity. We are interested in scholars who focus on social justice and the governance of AI and big data, with specialties including, but not limited to, ethical, legal, and social issues related to AI in a public policy context, privacy regulations for AI, and explainable AI. We prefer applicants with an established track record of securing external funding that will support transformative research and doctoral students; this is a requirement for applicants at the associate and full professor rank. The discipline for this hire is open, including but not limited to economics, engineering, public policy, law, anthropology/ sociology, geography, political science, public administration, and computer science.

Additional information an application portal available at <https://jobs.gmu.edu/postings/57470>

Georgetown University

Assistant Professor of Computational Linguistics

The Department of Linguistics at Georgetown University in Washington, DC invites applications for a **tenure-track Assistant Professor position in Computational Linguistics**, beginning in August, 2024.

We seek candidates with a commitment to excellence in research and teaching in any area of Computational Linguistics or NLP. The candidate will be expected

to lead a vibrant research program, and teach and mentor students at the undergraduate, master's, and Ph.D. levels – including graduate students within the computational linguistics concentration.

Of particular interest for this position are linguistically grounded computational approaches to *interaction* (broadly construed). This includes (for example) research in spoken/signed language processing, dialogue systems, LLMs, and language learning. Also highly valued is research involving underrepresented groups and languages/varieties (including low-resource NLP, as well as bias and ethics in language technologies).

The new hire will join a computational linguistics concentration with faculty who specialize in syntax, semantics, and discourse processing in text. The Linguistics Department at Georgetown is committed to a diversity of perspectives on language, and houses concentrations in computational linguistics as well as theoretical, socio-, and applied linguistics.

Qualifications: A Ph.D. in Linguistics, Computer Science, or a related field is required. Applicants must have the Ph.D. in hand by the time of the appointment.

Application Instructions: Dossiers should include a letter of application, curriculum vitae; statements of research, teaching, and diversity; 1–3 representative publications; and names (with contact information) of three references, who will be contacted by the system to request a letter of recommendation.

Please apply at: <https://apply.interfolio.com/11780/positions>

All applications received by 1-Nov-2023 will be reviewed in full.

For further information, please contact the search committee chairs, Amir Zeldes and Nathan Schneider at gu-compling-search@georgetown.edu and see <https://gucl.georgetown.edu/>

Hampden-Sydney College

Assistant Professor of Computer Science

Hampden-Sydney College invites applications for a tenure-track or long term Computer Science faculty position beginning August 2024. We seek enthusiastic candidates with a commitment to undergraduate education. The teaching load for this position is six 3-credit hour courses per year, with an additional course every third year. Applicants should have a Masters degree or Ph.D. in computer science or closely related field. We encourage candidates with a wide range of specialties to apply.

All applicants must submit a letter of application, curriculum vitae, teaching statement, and three letters of reference to Professor Brian Lins, Chair, Department of Mathematics and Computer Science, Hampden-Sydney College via Interfolio: <http://apply.interfolio.com/131318>.

Harvey Mudd College

Tenure-track Faculty Positions in Computer Science

The *Computer Science Department at Harvey Mudd College* (HMC) has multiple tenure-track openings for

assistant professors commencing July 1, 2024. Candidates in all areas of computer science will be considered; candidates demonstrating interest and potential for teaching courses in computer systems, software development, theory, and computational biology are especially encouraged to apply. Review of applications will begin early in the fall semester and continue until the positions are filled.

Harvey Mudd College is a highly selective liberal arts college of science, engineering, and mathematics. It is located in Claremont, CA, approximately 35 miles east of Los Angeles, at the foot of the San Gabriel Mountains. The college enrolls about 900 students, nearly all living on campus. It is a member of the Claremont Colleges, which comprises five undergraduate colleges and two graduate institutions.

The Computer Science Department currently has fifteen tenure-track faculty members. It serves *four major programs*—the computer science major, the joint major in computer science and mathematics, the joint major in computer science and physics, and the joint major in mathematical and computational biology—totaling more than 120 students in each graduating class. Our innovative and rigorous curriculum prepares students for both employment and graduate school and an active research program involving a substantial number of undergraduates. Please visit <https://www.hmc.edu/cs/> for more information about the department and our industry-supported senior capstone *Computer Science Clinic* program.

Harvey Mudd College is committed to broadening participation in STEM fields. Therefore, among the criteria for appointment are experience with students from diverse backgrounds or the ability to teach those students effectively.

For more information and to apply: <https://academicjobsonline.org/ajo/jobs/24986>

Harvey Mudd College is an equal opportunity and affirmative action employer committed to providing a workplace free of discrimination, harassment, and disrespectful or other unprofessional conduct. [Employment Opportunity and Nondiscrimination Statement](#).

Hofstra University

Assistant/Associate Professor in Cybersecurity

The Frank G. Zarb School of Business is pleased to invite applications for an anticipated tenure-track Assistant Professor of Cybersecurity position in the Department of Information Systems and Business Analytics (IS/BAN) at Hofstra University.

Responsibilities include, but are not limited to:

- Teach core courses in cybersecurity, such as data communications, network and information security fundamentals, ethical hacking and defense strategies, information privacy and regulation, IT risk management, cybersecurity for business, and digital forensics.
- The successful candidate should show evidence or potential of performing

high-impact scholarly activities in the aforementioned areas by publishing in the peer-reviewed journals and presenting at academic conferences.

- Perform other related duties as assigned by department and school, such as committee(s) and student orientation.

Minimum Qualifications:

- An earned doctorate (or ABD) in MIS/IS/CS, or a closely related field from an AACSB-accredited institution
- Demonstrated ability to publish in respected peer-reviewed journals
- Demonstrated evidence or potential to teach online courses with excellent communication skills
- Successful candidates will have demonstrated a commitment to promoting equity, diversity and inclusion in an educational environment

Preferred Qualifications:

- Industry experiences and/or security certificates (i.e., CISSP, CISA, CCNA/CCNP/CCIE Security) are a plus.
- Strong desire to work in a collaborative environment, support students through the mentoring process, and serve the Hofstra community.

Applications:

Please upload the following to <https://hofstra.peopleadmin.com/postings/2277>:

- Cover letter with salary requirement
- Curriculum vitae
- Evidence of effectiveness as an educator
- Two samples of publications
- Address and phone number of three references

All applications received by September 15, 2023 will receive full consideration. Inquiries should be directed to Dr. Hak J. Kim (is-ban@hofstra.edu)

Hofstra University is an equal opportunity employer, committed to fostering diversity in its faculty, administrative staff and student body, and encourages applications from the entire spectrum of a diverse community.

The Hong Kong University of Science and Technology

Job Title: Professor / Associate Professor / Assistant Professor

Department: Department of Computer Science and Engineering

Job ID: 9146

Job Posting Details

The Department of Computer Science and Engineering (<https://cse.hkust.edu.hk/>) at The Hong Kong University of Science and Technology (HKUST) invites applications for substantiation-track faculty positions at the ranks of Professor, Associate Professor and Assistant Professor for the 2024-2025 academic year. We are looking for outstanding candidates in all areas of computer science and engineering who can complement or add to our existing strengths in Artificial Intelligence, Cybersecurity, Database, Human-Computer Interaction, Networking and Computer Systems, Software Engineering and Programming Languages, Theoretical Computer Science, Vision and Graphics, and Visualization. Female candidates are

highly encouraged to apply to contribute to the diversity of the department.

All candidates must have a PhD degree in Computer Science or related fields by the time of appointment. Salary is highly competitive and will be commensurate with qualifications and experience. Fringe benefits include medical/dental benefits and annual leave. Housing will also be provided where applicable. Assistant Professor appointments will initially be on a three-year contract. A gratuity will be payable upon completion of contract.

The department has 53 regular faculty members, recruited from major universities and research institutions around the world, and more than 1,400 students (including about 620 postgraduate students). HKUST is ranked as one of the best young universities in the world, and is committed to increasing the gender and ethnic diversity of its faculty and has a range of family-friendly policies in place. The medium of instruction is English.

Application Procedure

Applications including 1) a cover letter, 2) a full curriculum vitae, 3) names and contact information of at least three referees, 4) a research statement, and 5) a teaching statement (all in PDF format) should be submitted via the HKUST/HKUST (GZ) Recruitment System (<https://facrecruit.hkust.edu.hk/>). Applicants should first sign up to create a personal account. In the "Application Information" section, please select "Department of Computer Science and Engineering" on "HKUST Hong Kong Campus" for submission of application. Priority will be given to applications received by **Sunday, 31**

December 2023. Please be advised that only shortlisted candidates will be notified of the result of the application.

(Information provided by applicants will be used for recruitment and other employment-related purposes. Applicants should read the Personal Information Collection Statement before submission of application.)

HKUST is an equal opportunities employer and is committed to our core values of inclusiveness, diversity, and respect.

Indiana University Indianapolis

The Luddy School of Informatics, Computing, and Engineering at Indiana University Indianapolis seeks a Professor and **Founding Chair of a new Department of Computer Science.** The recently established department is part of a bold vision to transform Indiana University Indianapolis into the state's next-generation urban research university. This presents a unique opportunity to shape and build a cutting-edge department, while also contributing to the strategic growth and expansion of Indiana University's premier urban research campus. Its goal is to establish world-class and accessible computer science programs that will foster innovation, drive research excellence and economic development, and produce future leaders in the field, both for Indiana and beyond.

We seek an individual with a clear vision for the future of computer science education and research, as well as a

proven track record of leadership and academic excellence. The Founding Chair will have the support to recruit and grow a diverse and accomplished faculty team, bringing together experts in various subfields of computer science. The Chair has the potential to leverage the strengths of the Luddy School, including: the Polis Center, the Luddy AI Institute, the Departments of Human-Centered Computing, BioHealth Informatics, and Library and Information Science, the unique location in downtown Indianapolis and proximity to the IU School of Medicine.

For Best Consideration, apply by 11/01/2023

Expected Start: Date 01/01/2024 or 08/01/2024

For full position details and application submission:
<https://indiana.peopleadmin.com/postings/19638>

Indiana University

Open Rank Faculty Positions in Information and Library Science (Social Informatics & Knowledge Infrastructure)

The Luddy School of Informatics, Computing, and Engineering at Indiana University (IU) in Bloomington, Indiana invites applications for two open rank tenure track / tenured professor positions to begin August 1, 2024 in the Department of Information and Library Science (ILS). Faculty research areas in ILS include social informatics, digital humanities, documentation, digital libraries, data curation, information retrieval, music

informatics, text mining, computer-mediated communication, and more. We are particularly interested in hiring in the following two areas:

Social informatics - including social impacts of computing, social analysis of computing, studies of computer-mediated communication, information policy, computers and society, organizational informatics, and social media analysis.

Knowledge infrastructure - including information architecture, open access, open science, information retrieval, and media preservation and archives.

U.S. News & World Report ranked the Bloomington Information and Library Science program ninth nationally in its most recent rankings. The Luddy School of Informatics, Computing, and Engineering is the first of its kind and among the largest in the country, with over 140 faculty and 2800 students. We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations. Duties will include research, teaching, and service.

Applicants should have a Ph.D. in Information Science, or a related field expected before August 2024. For junior-level appointments, applicants should demonstrate potential for excellence in research and teaching. For senior-level appointments, applicants should have an established record of excellence in research and teaching.

Salary will be commensurate with education and experience. Indiana

University provides a comprehensive benefits program for full-time appointed employees. For detailed benefit options please visit:

<https://hr.iu.edu/benefits/neweeo/prof-index.html>

Applications received by December 1, 2023 will be assured full consideration; however, the search will remain open until suitable candidates are found. Candidates should review the application requirements; learn about IU, the Luddy School, and benefits, and apply online at:

<https://indiana.peopleadmin.com/postings/20249>

Questions may be sent to the Chair of the Search Committee, Susan Herring (herring@indiana.edu).

Before a conditional offer of employment with tenure is finalized, candidates will be asked to disclose any pending investigations or previous findings of sexual or professional misconduct. They will also be required to authorize an inquiry by Indiana University Bloomington with all current and former employers along these lines. The relevance of information disclosed or ascertained in the context of this process to a candidate's eligibility for hire will be evaluated by Indiana University Bloomington on a case-by-case basis. Applicants should be aware, however, that Indiana University Bloomington takes the matters of sexual and professional misconduct very seriously.

Indiana University is an equal employment and affirmative action employer and a

provider of ADA services. All qualified applicants will receive consideration for employment based on individual qualifications. Indiana University prohibits discrimination based on age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

Institute of Science and Technology Austria

Assistant Professor (tenure-track) and Professor (tenured) positions in Computer Science and Data Science

The Institute of Science and Technology Austria (ISTA) invites applications for several open positions in **all areas of computer science and data science**.

We particularly welcome applications in statistics and bioinformatics.

ISTA (www.ista.ac.at) is an international institute dedicated to basic research and graduate education in mathematics, computer science, life sciences, and physical sciences.

We offer:

- Thriving **international and interdisciplinary research environment** with English as the working language
- **Collaborative atmosphere** that promotes interaction and knowledge sharing among research groups
- **State-of-the-art facilities and scientific support services** (www.ista.ac.at/scientific-service-units/)

- **Attractive salary and generous start-up package**, ensuring you have the resources necessary to establish and lead a successful research group
- Guaranteed **annual base funding** including dedicated funding for PhD students and postdocs, enabling you to build up a dynamic research team
- **International graduate school** with highly selective admissions criteria and a comprehensive educational program, training the next generation of scientific leaders
- **PhD program with a unique blend of interdisciplinary coursework and research group rotations**, attracting scholars from diverse backgrounds
- **Professional development** opportunities
- **Employee Assistance Program**, providing assistance with professional and personal challenges
- **Dual-career support**, advising your spouse or partner on finding local career opportunities
- **Childcare facilities** on campus (for children aged 3 months until primary school age)
- Commitment to fostering a **diverse and inclusive working environment**
- **Close proximity to Vienna**, consistently ranked among the most liveable cities worldwide, offering a wealth of cultural and recreational opportunities

Assistant professors receive independent group leader positions with an initial contract of six years, at the end of which they are reviewed by international peers. A positive evaluation

leads to promotion to the tenured professor position.

Tenured positions are open to distinguished scientists with several years of experience leading research groups.

At ISTA, we promote a diverse and inclusive working environment and are committed to the principle of equal employment opportunities for all applicants, free of discrimination. We strongly encourage individuals from underrepresented groups to apply.

Take the next step in your academic career and apply at: www.ista.ac.at/jobs/faculty/

The closing date for applications in Data Science is **October 25, 2023**.

The closing date for applications in Computer Science is **December 1, 2023**.

Iowa State University

Assistant Professor of Computer Science

The Department of Computer at Iowa State University in Ames, Iowa, seeks outstanding applicants for three tenure-track faculty positions at the rank of Assistant Professor. We are specifically looking for candidates in cybersecurity, classical, and post-quantum cryptography to start on August 16, 2024.

To ensure full consideration, applications should be received by October 15, 2023, but will be accepted until the position is filled.

For more information about requirements and application instructions, please refer to <https://www.cs.iastate.edu/open-positions>.

ISU Department of Computer Science offers an extensive suite of undergraduate and graduate programs, including degrees in Computer Science, Artificial Intelligence, Software Engineering, Data Science, and Bioinformatics and Computational Biology. Being integral in initiating numerous degrees, such as the B.S. in Software Engineering and Data Science, it prides itself on active participation in interdepartmental initiatives. With over 1,700 students across different levels and a faculty strength of 38, the department fosters a robust academic environment.

We are dedicated to work-life balance through an array of flexible policies. We are responsive to the needs of dual-career couples.

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515 294-7612, email eooffice@iastate.edu.

Iowa State University

Multiple Tenure-Track Faculty Positions

The *Department of Computer* at Iowa State University in Ames, Iowa, seeks outstanding applicants for three tenure-track faculty positions at the rank of Assistant Professor. We are looking for two candidates in all areas of Computer Science who expand our current research

strengths in new areas to start on Jan 1, 2024. For the third faculty position, we are specifically looking for candidates in cybersecurity, classical and post-quantum cryptography to start on Aug 16, 2024.

To ensure full consideration, applications should be received by August 20, 2023, but will be accepted until the position is filled. For more information about requirements and application instructions, please refer to <https://www.cs.iastate.edu/open-positions>.

ISU Department of Computer Science offers an extensive suite of undergraduate and graduate programs, including degrees in Computer Science, Artificial Intelligence, Software Engineering, Data Science, and Bioinformatics and Computational Biology. Being integral in initiating numerous degrees, such as the B.S. in Software Engineering and Data Science, it prides itself on active participation in interdepartmental initiatives. With over 1,700 students across different levels and a faculty strength of 38, the department fosters a robust academic environment.

We are dedicated to work-life balance through an array of flexible policies. We are responsive to the needs of dual-career couples.

Iowa State University is an Equal Opportunity/Affirmative Action employer.

Iowa State University

Researcher and Engineer Positions in Open RAN, Advanced Wireless, and Rural Broadband

The Center for Wireless, Communities and Innovation (<https://wici.iastate.edu/>) at Iowa State University has

Researcher and Engineer positions for the research, development, innovation, and entrepreneurship in Open RAN, advanced wireless (e.g., URLLC in 5G-and-beyond systems), 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>.

IUPUI

Lecturer, Computer Science

The Luddy School of Informatics, Computing, and Engineering at IUPUI invites applicants for Lecturer appointments in computer programming, discrete computational structures, data structures, operating systems, database systems, systems analysis and design, software engineering, theory of computation, analysis of algorithms, programming languages, artificial intelligence, and computer networks and security. Exceptional instructors are being sought to join our fast-growing school.

The responsibilities of the position include teaching assigned courses in graduate and undergraduate programs; developing courses for the traditional classroom setting, computer labs, and online education; help setting program

and specialization goals; developing and continually updating the curriculum and training activities; contributing to the recruitment and marketing of the program; interviewing, evaluating, and advising students; engaging in scholarly activity related to teaching; serving as a member of campus, school, department and program committees; maintaining current knowledge and skills in the computer science profession through active participation in professional organizations, collaboration, practice, and research; and serving on professional committees. The appointments will begin August 1, 2024 (or earlier by mutual agreement), at the IUPUI campus.

Review of applications will begin immediately; however, the positions will remain open until filled.

Qualifications

- M.S. or Ph.D. in Computer Science or related discipline. Applicants must complete their degree before the starting date of the appointment.
- Demonstrated ability to teach effectively in-person, online, and in blended learning for various foundational courses in all areas of computer science.

How to apply: <https://indiana.peopleadmin.com/postings/20090>

Required application documents:

1. Curriculum Vitae
2. Letter of application
3. Statement of Teaching Philosophy
4. Sample Syllabus
5. List of References
6. Diversity Statement

Johns Hopkins University

Teaching Faculty in Computer Science

The Department of Computer Science at Johns Hopkins University seeks applicants for full-time teaching positions. These are career-oriented, renewable appointments, responsible for the development and delivery of undergraduate and/or graduate courses, depending on the candidate's background and interests. We are searching broadly to meet teaching needs across the discipline, including artificial intelligence, data science and machine learning. Each position carries a two to three course load per semester, with at most two different preps. Teaching faculty are encouraged to engage in educational research, departmental and university service, and student mentoring. Extensive grading support is given to all instructors. The university has instituted a non-tenure track career path for full-time teaching faculty culminating in the rank of Teaching Professor.

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

Applicants for the positions should have a Ph.D. in Computer Science or a closely related field. Demonstrated excellence in and commitment to teaching, and excellent communication skills are expected of all applicants. Applications may be submitted online at <http://apply.interfolio.com/132164>. Questions may be directed to lecsearch@cs.jhu.edu.

For full consideration, applications should be submitted by December 1, 2023. Applications will be accepted until the positions are filled.

The department is conducting a broad and inclusive search and is committed to identifying candidates who through their teaching and service will contribute to the diversity and excellence of the academic community. We welcome candidates who are poised to address grand challenges within Computer Science, can work across disciplines to solve societal challenges, and support JHU's leading role in increasing undergraduate diversity across elite universities. More information on diversity and inclusion in the department is available at <https://www.cs.jhu.edu/diversity/>.

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

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. We anticipate making multiple offers across all areas of Computer Science and at all ranks. We will also offer an Early Action application option.

This year's search begins a large-scale expansion of the Whiting School of Engineering, with the goal of adding 150 new tenure-track professors at all ranks, of which 80 will be part of the new Artificial Intelligence Institute. As part of this expansion, the Department of Computer Science will experience substantial growth across all research areas to become one of the largest departments at a private University.

The Department currently has 35 full-time tenure-track faculty members, 7 research and 8 teaching faculty members, 225 Ph.D. 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), the Mathematical Institute for Data Science (MINDS), and the SNF Agora Institute.

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>.

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. We welcome candidates who are poised to address grand challenges within Computer Science, can work across disciplines to solve societal challenges, and support JHU's leading role in increasing undergraduate diversity across elite universities. 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 and (optionally) three recent publications. Junior (assistant) candidates should submit three to five letters of reference. Senior (associate/full) candidates should submit a list of references.

Applications must be made online at <http://apply.interfolio.com/131527>.

While candidates who complete their applications by December 1, 2023 will receive full consideration, the department may consider applications submitted after that date. Furthermore, the department may take early action on applications starting October 1. Questions may be directed to fsearch2023@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.

Lafayette College

Assistant or Associate Professor in Computer Science - 2 tenure-track lines

The Lafayette College Computer Science Department invites applications for two full-time, tenure-track positions at the rank of Assistant or Associate Professor commencing July 2024. Candidates from all computing-related research areas, including interdisciplinary ones, are encouraged to apply. Candidates will have earned, or be near completion of, a Ph.D. in computer science or a related field by the start of their appointment. The department especially welcomes applications from candidates who will contribute to Lafayette's commitment to diversity and inclusion, with a strong commitment to student research. Candidates with credentials meriting an initial appointment at the tenure-track associate professor level will also be considered.

The department is one of five ABET-accredited Bachelor of Science programs

at Lafayette College. Department faculty have a diverse set of interests ranging from theoretical computer science to applied computing problems, with specific expertise in artificial intelligence, complexity theory, human-computer interface, logic, machine learning, and natural computing. Reflecting this wide range of interests, the Department of Computer Science has an interdisciplinary perspective leading us to build bridges across the college to support computation in all its many forms.

The department offers both Bachelor of Science and Bachelor of Arts degrees in computer science, as well as minors in computer science and computational methods. The department also plays a key role in the newly established Data Science Minor in collaboration with the Department of Mathematics. Faculty members teach the equivalent of four courses in their first year and five courses (3:2) per year thereafter. The college and department are very supportive of research with funds for conference/research travel available and a student research program (the EXCEL Scholars program) where students collaborate closely with faculty to support their research goals. The students are also very active, with two vibrant organizations: Women in Computing (WinC) and a student Association for Computing Machinery (ACM) chapter. For more details about the department, program, and position, please see our webpage: <https://compsci.lafayette.edu>.

Lafayette College is a highly selective, private undergraduate-only liberal arts college with 2,700 students located within

70 miles of New York City and Philadelphia. The College is deeply committed to creating a diverse community; a community that is inclusive, responsive, and is supportive of all its faculty, students, and staff. All members of the College community share in the responsibility for creating, maintaining, and developing a learning environment in which difference is valued, equity is sought, and inclusiveness is practiced. All Lafayette operations reflect the College's commitment to Diversity, Equity, Access, and Inclusion (DEAI) initiatives, and Lafayette welcomes applicants from diverse backgrounds.

Applicants will use Interfolio at <http://apply.interfolio.com/128685> to submit a: cover letter, curriculum vitae, statement of teaching philosophy, research statement, and a list of three references.

Letters of reference will be required after the first round of interviews and before onsite visits. In the cover letter, candidates should address how their teaching, research, and service will support Lafayette's commitment to diversity and inclusion articulated in the College's diversity statement (<http://www.lafayette.edu/about/diversity-statement>).

Review of applications will begin on October 13, 2023. However, applications will be accepted until the position is filled. Questions about the position should be directed to Prof. Jeffrey O. Pfaffmann, Associate Professor and Search Committee Chair, at pfaffmaj@lafayette.edu.

Lafayette College does not discriminate on the basis of race, color, national or ethnic origin, disability, religion, age, military or

veteran status, sex, sexual orientation, gender identity or expression, marital or familial status, pregnancy, genetic information, or any other characteristic protected by law in its educational programs and activities, admissions, or employment, as required by Title IX of the Educational Amendments of 1972, the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, Title VI and Title VII of the Civil Rights Act of 1964, and other applicable laws and College policies.

Lafayette College is committed to creating a diverse community; one that is inclusive and responsive, and is supportive of each and all of its faculty, students, and staff. The College seeks to promote diversity in its many manifestations. These include but are not limited to race, ethnicity, socioeconomic status, gender identity and expression, sexual orientation, religion, disability, and place of origin.

Lawrence Technological University

Department Chair - Mathematics & Computer Science

The College of Arts and Sciences at Lawrence Technological University seeks an exciting and transformative Chair of the Department of Mathematics and Computer Science (MCS). The start date is negotiable. LTU is amid a transformative change, moving towards R2 status and continuing to strengthen a strong research program in math and computer science, including a new PhD program in CS for Fall 2024. The Chair is a highly visible, well-supported role from top leadership and will have

the ability to move the program in a new direction as they see fit.

The successful candidate is student-focused and, through strong industry partnerships and collaboration, is committed to grow student investment and enrollment and produce job-ready graduates. Areas of focus include Artificial Intelligence, Game Software, Cybersecurity, and Intelligent Systems and Robotics. Salary and benefits for this position will be highly competitive.

Please visit the MCS [homepage](#) for further details.

Minimum Qualifications

- Ph.D. in computer science, or a closely related field.
 - Will consider someone with significant leadership experience in industry.
- Tenurable at the time of hire for Associate or Full Professor level.
- Strong record of accomplishments in administration, teaching, research, and service.

To Apply

Please e-mail any correspondence and/or applications to scidean@ltu.edu. Applications need to include a cover letter, statement of interest including previous experience in management or leadership roles, resume, research, and teaching statements.

Lawrence Technological University (LTU) conducts pre-employment screening on initial candidates for all positions.

Lawrence Technological University is an Equal Opportunity Employer.

Lehigh University

*Daniel E. '39 and Patricia M. Smith
Endowed Chair Professor*

The Department of Computer Science and Engineering (CSE) in the PC. Rossin College of Engineering and Applied Science at Lehigh University invites applications for the Daniel E. '39 and Patricia M. Smith Endowed Chair Professor. Outstanding candidates in all areas of computer science are encouraged to apply. Applicants must hold a Ph.D. in Computer Science or a closely related field.

The successful candidate for this prestigious position will be considered for tenure at initial appointment. Candidates are expected to have demonstrated research leadership and significant research impact. They will contribute to the Department's educational mission, augment or complement existing strengths, and collaborate effectively with colleagues. In addition, they must be committed to the enhancement of a diverse, equitable, and inclusive scholarly environment in which world-class faculty, staff, and students can thrive to their full potential. We particularly encourage applications from members of groups underrepresented in computing.

The CSE Department (<http://www.cse.lehigh.edu>) currently has 19 tenured and tenure-track professors and 10 instructional faculty, with additional faculty searches underway. The department has strengths in systems, robotics, human-centered computing, data science, and AI. CSE faculty include fellows of the ACM, IEEE, and NAI, and

several NSF CAREER award winners. There are abundant opportunities for candidates to collaborate with faculty in new and ongoing research projects, including those associated with Lehigh's interdisciplinary research institutes, such as the Institute for Data, Intelligent Systems, and Computation (<https://idisc.lehigh.edu/>).

The CSE Department offers Ph.D. and M.S. degrees in Computer Science. All of our B.S. programs are fully accredited, including the unique B.S. in Computer Science and Business program, which is accredited both in computer science and in business. Our undergraduate, Masters, and doctoral programs are vibrant and growing, currently supporting more than 600 students. The Department is housed in a recently renovated building on the Lehigh Mountaintop Campus, with beautiful views of the surrounding area. The building includes several high bays, including one configured to house a specialized Robotics Lab.

Nominations (including self-nominations) may be made by email to lehigh.smith@edexsearch.com. Dr. Ilene H. Nagel and Charles Kaler of Education Executives are assisting the search committee and can be reached at the same email address. Questions concerning this search may be sent to the CSE Department Chair, Brian Davison, at smith-search@cse.lehigh.edu.

Consideration of candidates will begin immediately and will continue until the position is filled.

Candidates of interest will be asked to provide a cover letter; a full CV; a research

statement that describes past scholarly contributions and future research directions; a teaching statement that describes instructional philosophy and courses that the candidate would want to teach or develop; a statement on past and planned contributions to diversity, inclusion and equity; and contact information for at least three references. References will be contacted and letters of recommendation requested for finalists only.

Founded in 1865, Lehigh University has combined outstanding academic and learning opportunities with leadership in fostering innovative research. Recognized among the nation's highly-ranked research universities, Lehigh offers a rigorous academic community for over 7,000 students and about 550 full-time faculty members. Lehigh University is located in Bethlehem, PA, a vibrant and historic area. Over 820,000 people live in the Lehigh Valley, which is in close proximity to New York City and Philadelphia.

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender identity or expression, genetic information, marital or familial status, national or ethnic origin, race, religion, sex, sexual orientation, or veteran status. Lehigh University is committed to a culturally and intellectually diverse academic community and is especially interested in candidates who can contribute, through their teaching and/or service, to this mission. Lehigh University is the recipient of an NSF ADVANCE Institutional Transformation award for promoting the careers of women

in academic sciences and engineering (<http://advance.cc.lehigh.edu/>) and is among institutions of higher education recognized for excellence in diversity with the INSIGHT into Diversity HEED Award. Additional information about Lehigh's commitment to diversity and inclusion is available at <https://diversityandinclusion.lehigh.edu/>. Lehigh University provides competitive salaries and comprehensive benefits, including domestic partner benefits. More information about Work/Life Balance for Faculty can be found at <https://provost.lehigh.edu/work-life-balance>. Lehigh University supports dual career efforts for following spouses/partners of newly hired faculty (<https://provost.lehigh.edu/resources/faculty-dual-career-assistance-program/dual-career-guidelines>).

Loyola Marymount University

Tenure-track position as Assistant Professor and a non-tenure-track Clinical Assistant Professor

The Frank R. Seaver College of Science and Engineering at Loyola Marymount University (LMU) invites applicants to apply for two positions in the Department of Computer Science (CMSI). We seek to hire innovative teacher-scholars to begin in Fall 2024 for a tenure-track position as Assistant Professor and a non-tenure-track Clinical Assistant Professor.

Successful candidates for both positions will be dedicated to: 1) teaching a diverse student body in a transformative learning environment across a range of

undergraduate and graduate courses, 2) challenging themselves, their students, and their colleagues to be actively anti-racist and work toward greater diversity, equity, and inclusion in the profession, and 3) participating in service activities at the academic, professional, and/or community levels. Successful candidates for the tenure-track position will also be dedicated to developing a thriving research program that involves mentoring undergraduate and graduate students.

Initial review of applications will begin on September 15, 2023 and conclude on October 31, 2023. Questions regarding this position can be directed by email to Dr. John David Dionisio, Department Chair at JohnDavid.Dionisio@lmu.edu.

To review the full description for each faculty position, please visit the websites below where you can also submit your application materials:

Assistant Professor (Tenure-Track) of Computer Science

Clinical Assistant Professor (Non-Tenure-Track) of Computer Science

Mississippi State University

Assistant Professor, Associate Professor, or Professor

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>) is seeking one new tenure-track faculty member at the rank of Assistant Professor, Associate Professor, or Professor. For candidates at the Assistant and Associate

Professor levels, evidence of strong potential for excellence in research and teaching at the graduate and undergraduate levels is required. For candidates at the Professor level, evidence of demonstrated excellence in research and teaching at the graduate and undergraduate levels is expected. Exceptional candidates in all areas will be considered, and we especially welcome applicants conducting research and teaching in Cyber Security, Wireless Networks, Cloud Security, Industrial Control Systems Security, Accreditation, Authorizations and Risk Assessment processes.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The university is designated as both an RI-Very High Research Activity Doctoral University under the Carnegie Classification, and also a National Center of Academic Excellence in Cyber Operations, Cyber Defense Research and Cyber Defense Education by the National Security Agency. The Department of Computer Science and Engineering offers a B.S. in Computer Science, Software Engineering, Cybersecurity and Computer Engineering. It also offers an M.S. in Computer Science and Cyber Security and Operations, and a Ph.D. in Computer Science. In the last fiscal year, the department's research expenditures totaled over 7 million dollars.

Candidates for this position are expected to hold a Ph.D. in Computer Science or closely related field (ABDs may be considered). Rank will be commensurate with experience and qualifications. Preferred qualifications include teaching

and research experience, a substantial record of peer-review publications, and demonstrated ability to secure external funding. However, recent graduates with exceptional academic credentials are encouraged to apply.

Candidates must apply at <https://explore.msujobs.msstate.edu/cw/en-us/job/506635> and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests.

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

Equal Employment Opportunity Statement: Mississippi State University is an equal opportunity employer.

Mississippi State University

Assistant Teaching Professor, Associate Teaching Professor or Teaching Professor

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>) is seeking one or more new non-tenure, teaching track faculty members at the rank of Assistant Teaching Professor, Associate Teaching Professor, or Teaching Professor. For candidates at the Assistant and Associate Teaching Professor levels, evidence of strong potential for excellence teaching at the graduate and undergraduate level is required. For candidates at the Teaching

Professor level, evidence of demonstrated excellence in teaching at the graduate and undergraduate levels is expected. Exceptional candidates in all areas will be considered, and we especially welcome applicants with excellence in teaching in Cyber Security, Wireless Networks, Cloud Security, Industrial Control Systems Security, Accreditation, Authorizations and Risk Assessment processes.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The university is designated as both an R1-Very High Research Activity Doctoral University under the Carnegie Classification, and also a National Center of Academic Excellence in Cyber Operations, Cyber Defense Research and Cyber Defense Education by the National Security Agency. The Department of Computer Science and Engineering offers a B.S. in Computer Science, Software Engineering, Cybersecurity and Computer Engineering. It also offers an M.S. in Computer Science and Cyber Security and Operations, and a Ph.D. in Computer Science. In the last fiscal year, the department's research expenditures totaled over 7 million dollars.

Candidates for this position are expected to hold a Ph.D. in Computer Science or closely related field (ABDs may be considered). Rank will be commensurate with experience and qualifications. Preferred qualifications include teaching and research experience, a substantial record of peer-review publications, and demonstrated ability to secure external funding. However, all applicants with

exceptional academic credentials are encouraged to apply.

Candidates must apply at <https://explore.msujobs.msstate.edu/cw/en-us/job/506636> and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications will begin immediately and will continue until the position is filled.

Equal Employment Opportunity Statement: Mississippi State University is an equal opportunity employer.

Mississippi State University

Faculty Position In Computer Science and Engineering

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>) is seeking one new tenure-track faculty member at the rank of Assistant Professor, Associate Professor, or Professor. For candidates at the Assistant and Associate Professor levels, evidence of strong potential for excellence in research and teaching at the graduate and undergraduate levels is required. For candidates at the Professor level, evidence of demonstrated excellence in research and teaching at the graduate and undergraduate levels is expected. Exceptional candidates in all areas will be considered, and we especially welcome applicants conducting research

Professional Opportunities

in cloud and autonomic computing, distributed systems, wireless networks, and network security.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The university is designated as both an RI-Very High Research Activity Doctoral University under the Carnegie Classification, and a National Center of Academic Excellence in Cyber Operations, Cyber Defense Research and Cyber Defense Education by the National Security Agency. The Department of Computer Science and Engineering offers a B.S. in Computer Science, Software Engineering, Cyber Security and Operations and Computer Engineering. It also offers an M.S. in Computer Science and Cyber Security and Operations, and a Ph.D. in Computer Science. In the last fiscal year, the department's research expenditures totaled over 7 million dollars.

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

Candidates must apply at <https://explore.msujobs.msstate.edu/cw/en-us/job/506582> and attach a cover letter, curriculum vitae, names and contact

information for at least three professional references, and a statement (limited to three pages) that describes their research and educational interests.

Review of applications will begin October 1, 2023, and will continue until the position is filled.

Equal Employment Opportunity Statement: Mississippi State University is an equal opportunity employer.

Montana State University *Assistant Professor of Computer Science*

The Gianforte School of Computing invites applications for multiple full-time tenure-track positions at the level of Assistant Professor. Duties include developing a nationally recognized, externally funded research program, teaching, developing courses, mentoring and service. Applications are encouraged from candidates with expertise in all areas of computer science, but especially in the areas of machine learning, data science, and/or systems. We also encourage applications from candidates whose research and teaching expertise complement existing faculty expertise. Partner/spousal accommodations will be considered.

For complete job announcement and application procedures, see: <https://jobs.montana.edu/postings/32337>

Equal Opportunity Employer,
Veterans/Disabled

Montana State University

Hambly Professor - Gianforte School of Computing

The Gianforte School of Computing (GSoC) invites applications for the inaugural Hambly Chair, an endowed professorship. The successful candidate will be an early to mid-career researcher with impressive accomplishments that are commensurate with experience. Applications are encouraged from candidates with expertise in all areas of computer science.

The Hambly Chair was established through the generosity of Larry and Anne Hambly. Larry Hambly earned a bachelor's degree from MSU and pursued a 35-year computing career, culminating with 20 years at Silicon Valley-based Sun Microsystems.

For complete job announcement and application procedures, see: <https://jobs.montana.edu/postings/37682>.

Equal Opportunity Employer,
Veterans/Disabled

Mount Holyoke College

Tenure-Track Faculty Position in Computer Science

The Mount Holyoke College Computer Science Department invites applications for a tenure-track faculty position at any rank, to begin in the fall of 2024. We are searching broadly for candidates with a strong commitment to excellence in teaching, a vibrant research program that can engage undergraduates, and a passion for working with a diverse

population of students. Mount Holyoke's teaching load is 4 courses per year. We welcome applications in all computer science and related fields, and particularly in systems, theory and data science. Completion of a Ph.D. in Computer Science or a related field is expected prior to or shortly after the date of hire.

Applications submitted by October 10, 2023 will receive full consideration:

<https://careers.pageuppeople.com/1024/cw/en-us/job/493728/open-rank-professor-of-computer-science>

North Carolina School of Science and Mathematics

*Instructor of Computer Science,
Morganton Campus*

Instructor of Computer Science to join an Amazing Team at NCSSM's Morganton, NC campus in January 2024! Experience with and enthusiasm for teaching high-achieving high school or undergraduate students with a strong emphasis on technology is desired. Required: A Master's degree in computer science or a closely related field or an undergraduate degree in computer science or closely related field and a Master's degree in Education.

North Carolina School of Science and Mathematics is a world-class residential public high school with national reach. Specializing in STEM, it challenges talented high school juniors and seniors through a two-campus residential program and an online campus. Founded in 1980, NCSSM is a member of the 17-institution University of North Carolina System.

Apply Here: <https://www.governmentjobs.com/careers/northcarolina/jobs/4171837/instructor-of-computer-science>

Oberlin College

Assistant Professor of Computer Science

The Computer Science Department at Oberlin College invites applications for a full-time tenure track faculty position in the College of Arts and Sciences. We seek candidates with teaching and research interests in any area of Computer Science, and especially encourage candidates with interest in machine learning/data science to apply. Initial appointment to this position will be for a term of four years, beginning Fall semester of year 2024, and will carry the rank of Assistant Professor.

Among the qualifications required for appointment is the PhD degree (in hand or expected by first semester of academic year 2024-25). Candidates must demonstrate interest and potential excellence in undergraduate teaching. Successful teaching experience at the college level is desirable.

Review of applications will begin on October 1st, 2023, and will continue until the position is filled. Completed applications received by the October 1st, 2023 deadline will be guaranteed full consideration.

Application link:
<https://jobs.oberlin.edu/postings/14129>

Oberlin College

Assistant Professor of Computer Science

The Computer Science Department at Oberlin College invites applications for a full-time tenure track faculty position in the College of Arts and Sciences. We seek candidates with teaching and research interests in any area of Computer Science. Initial appointment to this position will be for a term of four years, beginning Fall semester of year 2024, and will carry the rank of Assistant Professor.

The incumbent will teach the standard teaching load (4.5 courses per year) at all levels of undergraduate Computer Science.

The incumbent will also be expected to engage in sustained scholarly research and/or other creative work appropriate to the position and participate in the full range of faculty responsibilities, including academic advising and service on committees.

For full details and to apply:
<https://jobs.oberlin.edu/postings/14450>

Oxford Computer Science Faculty Hiring

As part of the *University of Oxford's* expansion in Computer Science, the Department of *Computer Science* is delighted to announce 4 faculty positions for recruitment in the 2023-2024 academic year (to start on 2 September 2024).

We are looking for outstanding candidates in all areas of Computer Science. All four positions are as Associate Professor

or Professor of Computer Science. The University of Oxford uses the grade of Associate Professor for most of its academic appointments. So these posts are suitable for those at the start of their careers directly from PhD, as well as for more established researchers. All four positions come with a Tutorial Fellowship in one of the following Oxford Colleges: Exeter College, Mansfield College, Merton College, or St Catherine's College.

Please follow the link below:

https://my.corehr.com/pls/uoxrecruit/erq_jobspec_version_4.display_form?p_company=10&p_internal_external=E&p_display_in_irish=N&p_process_type=&p_applicant_no=&p_form_profile_detail=&p_display_apply_ind=Y&p_refresh_search=Y&p_recruitment_id=163022

The closing date for applications is **12 noon on 13 December 2023.**

Shortlisted candidates will give research talks online during the period 13-16 February 2024 and will give online teaching presentations during the period 20-23 February.

Interviews will be held in person in the Department at Oxford. It is possible to be shortlisted for multiple colleges, in which case you will have multiple interviews. The interview dates are as follows.

- Mansfield College – 11th March 2024,
- Exeter College – 12th March 2024,
- Merton College – 13th March 2024,
- St Catherine's College – 14th March 2024.

Peking University

All levels of tenure-track (Assistant/ Associate Professor) and tenured (Associate/Full Professor) positions

- Natural Language Processing
- Human-Computer Interaction and Virtual Reality
- Cybersecurity, Privacy, and Cryptography
- Operating and Distributed Systems
- Computer Architecture
- Artificial Intelligence
- Algorithms and Theory
- Database, Data mining
- Mobile and Ubiquitous Computing
- Programming Languages, Logic, and Verification
- Computer Networks
- Other emerging areas in Computer Science

Faculty applicants should prepare an application cover letter, curriculum vitae and 3 representative publications by Oct.30, 2023. Shortlisted applicants will be contacted to provide a research statement (2-4 pages), a teaching statement (1-2 pages), a 25-min research talk video, a 10-min teaching video, and contact information of three or more referees as required supplementary material by Nov. 20, 2023 to submit at different stages of the application on: <https://facultyapplication.cspku.cn>

Important dates:

- Application deadline: Oct. 30, 2023
- Early notification: Nov. 6, 2023

- Supplementary material submission: Nov. 20, 2023
- Forum (job talk) invitation: Nov. 24, 2023
- Forum main event: Dec. 2-3, 2023

More information

<https://cs.pku.edu.cn/>

<https://cfcs.pku.edu.cn/>

Pomona College

Open-rank Professor of Computer Science

Pomona College seeks applications for an Open-Rank (assistant, associate, or full) Professor of Computer Science, to begin on July 1, 2024. All subfields of computer science will be considered, with preference for candidates whose research and teaching interests complement those of the current faculty. Candidates should have a broad background in computer science, be excellent teachers, have an active research program, and be excited about directing undergraduate research. Candidates should have a Ph.D. in hand by the start date.

Review of applications will begin on October 8, 2023 and will continue until the position is filled. For further information, we can be reached via email at cssearch@pomona.edu.

To apply and see more details about the position, visit: <https://academicjobsonline.org/ajol/jobs/25347>

Princeton University

Application for Assistant, Associate or Full Professor of Computer Science

The Department of Computer Science at Princeton University invites applications at the Assistant, Associate and Full Professor level. We are accepting applications in all areas of Computer Science. Associate and Full Professor applicants must demonstrate superior research and scholarship as well as an excellent teaching record. Assistant Professor applicants must demonstrate superior research and scholarship potential as well as teaching ability. Joint appointments with another department are possible.

The department is committed to fostering a diverse and inclusive academic community, and we strongly encourage applications from members of groups that have been historically underrepresented in Computer Science. A PhD in Computer Science or a related area is required. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department.

Applications should be submitted online at <https://www.princeton.edu/acad-positions/position/31983>. Applicants should include a CV, research statement, teaching statement, and contact information for at least three people who can comment on the applicant's professional qualifications. We seek faculty members who will create a climate that embraces excellence and diversity, with a commitment to teaching and

mentoring that will enhance the work of the department and attract and retain a diverse student body. Applicants are welcome to include a brief statement of how they would contribute to this goal with their application materials. Candidates progressing in the selection process will be asked to provide a link to a short video presentation of a research talk.

For full consideration, we recommend that applicants apply by December 1, 2023, though we will continue to review applications past that date. This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. EEO IS THE LAW. <https://rrr.princeton.edu/2023/equal-opportunity-policy/equal-opportunity-policy>

Requisition No: D-24-COS-00002

Princeton University

Lecturer of Computer Science

The Department of Computer Science seeks applications from exceptional individuals, who share our strong commitment to undergraduate education, to join our department in a full-time, teaching career-track position. The department is world-renowned for its unique combination

of excellent scholarship and exemplary undergraduate education.

Computer Science is enjoying record popularity at Princeton, and opportunities abound to engage with our outstanding students at many levels. Our teaching faculty positions offer various rewarding opportunities, such as teaching introductory and upper-level courses, advising undergraduate research, developing curricular materials, building outreach programs to increase our diversity, inclusion and equity activities, and/or developing EdTech software.

We are particularly interested in candidates with interests and experience teaching systems-type courses, such as systems programming (C/C++/Go), software engineering, operating systems, distributed systems, networking, and architecture. However, candidates with a background in other areas are also encouraged to apply.

An advanced degree in computer science or a related field is required.

Applications must include a cover letter, curriculum vitae, teaching statement (including strategies, techniques, and experience), research statement, material relevant to evaluating the applicant's teaching abilities and research accomplishments, and contact information for at least three references. To be considered, please apply online at <https://www.princeton.edu/acad-positions/position/32063>.

The department is committed to fostering a diverse and inclusive academic

community. Candidates are welcome to describe how their experiences and approaches on diversity-related issues inform their professional work, such as in scholarship, teaching and advising.

Review of applications will begin on October 10, 2023 for a September 1, 2024 start date.

This position is subject to the University's background check policy. Further information about the Computer Science Department at Princeton can be found at: <https://www.cs.princeton.edu/>

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Reed College

Tenure-Track Faculty Position in Computer Science

Position Description

The Department of Computer Science at Reed College invites applications for an open rank tenure-track faculty position beginning in the fall of 2024. Applicants should have a Ph.D. in computer science or a closely related field by the time of the appointment and should be committed to excellence in undergraduate teaching and in research. The successful applicant will teach in the core computer science

curriculum at all levels, will develop one or more courses in the applicant's area(s) of expertise, and will work to foster a welcoming and engaged community. They will maintain an active research program, ideally providing opportunities for student involvement, and they will advise several year-long senior thesis projects. Applicants from all areas of computer science are encouraged to apply.

Reed is a distinguished liberal arts college that offers a demanding academic program to approximately 1400 bright and dedicated undergraduate students. Reed believes that this requires a faculty that is actively engaged in cutting-edge research and provides the resources necessary to enable that research, including a generous sabbatical policy as well as startup and other funding. The college believes that cultural diversity and inclusive education practices are essential to the excellence of our academic program (see <https://www.reed.edu/diversity/>). Applicants to the position are encouraged to contact Adam Groce (agroce@reed.edu), the chair of the search committee, for further details about the position and the college's computer science program. Information about the position is also posted at <https://www.reed.edu/computer-science/faculty-search.html>.

Application Instructions

Applicants should submit their applications electronically through the Interfolio service at <http://apply.interfolio.com/128893> and should include a cover letter, curriculum vitae, teaching statement, research statement, and three letters of

recommendation. The cover letter should address how the applicant's teaching and scholarship would contribute to Reed's small, selective undergraduate environment. Candidates should address their approach to supporting diversity, inclusion, and equity either in a separate, dedicated diversity statement or in their cover letter, teaching statement, or other materials.

Applications submitted by October 16 are guaranteed full consideration, although review of applications will continue until the position is filled.

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

Tenure Track Faculty of Psychology - Cognitive

The Department of Psychology at the Rochester Institute of Technology (www.rit.edu/psychology) invites candidates to apply for a **tenure-track Assistant Professor** position.

We are seeking an energetic and enthusiastic psychologist or cognitive scientist who will serve as an instructor, researcher, and mentor to students in our undergraduate (Psychology, Neuroscience) and graduate programs (Masters in Experimental Psychology, Ph.D. in Cognitive Science).

Candidates should have expertise in an area of Cognitive Science such as cognitive or behavioral neuroscience, AI, computational/psycho-linguistics, cognitive psychology, comparative psychology, or related areas.

The full job posting can be viewed by going to:
<https://apptrkr.com/4597558>

Rose-Hulman Institute of Technology

Open Rank/Tenure-Track Faculty in Computer Science and Software Engineering 2024-2025

The Department of Computer Science and Software Engineering at Rose-Hulman invites tenure-track faculty applications with an anticipated start date of August 2024. The department, which continues to experience strong enrollment growth (currently over 500 students), offers B.S. degrees in computer science and software engineering. These programs are accredited by the Computing and Engineering Accreditation Commissions of ABET. The department offers a multidisciplinary second major in data science, multidisciplinary robotics minor, and several ongoing research projects among its vibrant interdisciplinary initiatives.

For more information about Rose-Hulman Institute of Technology, details about this exciting opportunity, and to apply please visit jobs.rose-hulman.edu.

Detailed information is available from Amanda Stouder, Associate Professor of Practice in Computer Science and Software Engineering, stouder@rose-hulman.edu, 812-877-8138.

Initial review of completed applications will begin 1 October. Applications will be accepted until the positions are filled.

Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

EEO/AA

Rutgers University

Data Science Faculty Position

The Library and Information Science Department at Rutgers University's School of Communication and Information invites applications from Data Science scholars for a tenure-track/tenured appointment as part of a larger interdisciplinary Fair and Responsible Data Science (FRDS) cluster hire at Rutgers.

Ph.D. or equivalent doctoral degree required. Responsibilities include undergraduate and graduate teaching assignments, an active program of research, and service contributions.

For details about the position, information about the school, and to apply, visit <https://jobs.rutgers.edu/postings/205854>.

Review of applications will begin October 15, 2023.

Shanghai Jiao Tong University

Faculty Positions at the Department of Computer Science and Engineering and the John Hopcroft Center for Computer Science

Shanghai Jiao Tong University (SJTU) is one of the oldest and most prestigious universities in China, which enjoys a long history and a world-renowned reputation. The Department of Computer Science and Engineering and the John Hopcroft Center for Computer Science at SJTU seek candidates for faculty positions starting on a mutually agreed date. Appointment will be at all levels of tenure-track

(Assistant/Associate Professor) positions. Faculty duties include teaching at the undergraduate and graduate levels, research, and supervision of student research. Candidates should hold a Ph.D. in computer science or a related field by the start of employment. We will consider candidates with research and teaching interests in any area of computer science.

The Department of Computer Science and Engineering at SJTU, founded in 1984, is consistently ranked among the best in China and Asia on various international CS rankings. The department is committed to building a more diverse faculty, staff and student body as it responds to the changing population and economic needs of the nation and beyond. (<https://www.cs.sjtu.edu.cn/>)

The John Hopcroft Center for Computer Science at SJTU, founded in January 2017, focuses on the fundamental problems in computer science, exploring new theories and efficient algorithms for the future, and fostering talents in computer science. The center will provide a favorable international academic environment for faculty members.

Professor John Hopcroft, 1986 Turing Award winner, has been working at SJTU since 2011. Over the last several years, he has dedicated tremendous effort and made great contributions to the development of computer science research and the undergraduate teaching quality in SJTU. (<https://jhc.sjtu.edu.cn/>)

To apply, please submit a cover letter, curriculum vita (CV), a research statement

and a teaching statement to recruit@cs.sjtu.edu.cn (Department of Computer Science and Engineering), or to jhc@sjtu.edu.cn (John Hopcroft Center for Computer Science). To ensure full consideration, please apply by December 31 2023, although applications will be accepted until all positions are filled.

Singapore Management University

Tenure Track Faculty Positions In Computer Science

The School of Computing and Information Systems at the Singapore Management University has several tenure track faculty positions, at all ranks, in the discipline of Computer Science & Engineering.

We strategically hire to build critical mass and innovative capability in our core research areas and integrative research domains. In particular, we are looking to significantly expand our faculty expertise in Cognitive Computing, Computational Neuroscience, Ethics and Trust in AI, Multimedia (3D Computer Vision/ Graphics, Virtual/Augmented Reality, Metaverse), Human and Social Aspects of Software Engineering, Sustainable/ Green Computing, System Security and Distributed System Security.

Our Core Research Areas

- Artificial Intelligence & Data Science
- Human-Machine Collaborative Systems
- Information Systems & Technology

Our Integrative Research Domains

- Computing Practice & Education

- Urban Systems & Operations
- Active Citizenry & Communities
- Safety & Security

Please visit our [website](#) for more details.

While we encourage and nurture applied research addressing real-world problems, we simultaneously cultivate and value big ideas, and research that is intellectually deep and thought provoking. Our faculty target their academic output primarily in the most-selective, academically prestigious venues. We want our faculty striving to create research outputs that advance thinking and scholarship in the core research areas, and also seeking real-world impact in the integrative research domains in “the world of business”.

We offer extremely attractive salary and benefits that are usually superior to international competitive benchmarks.

Qualifications

We are continually on the lookout for outstanding faculty candidates at all levels:

- **Fresh Ph.D. graduates**
- **Postdocs looking for a faculty position**
- **Ph.D. holders who are currently in industry but want to return to faculty and research work**
- **Mid-career or senior faculty**

Tenure track faculty must have Ph.D. qualification in a relevant discipline (such as Computer Science, Computer Engineering and Information Technology) along with an outstanding research record.

Singaporeans selected for tenure-track faculty positions may be considered for the Singapore Teaching and Academic Research Talent (START) Inauguration Grant. Details on the grant application procedure may be found here: <https://www.smu.edu.sg/moe-start/inauguration-grant>.

Interested candidates are invited to submit a cover letter (indicating which of the above Core Research Areas your research interest belongs to), curriculum vitae, research and teaching statements, three recommendation letters, and three samples of published work to sciscv@smu.edu.sg.

Please indicate your source type as [CRA/CRN](#) in your application.

Southern Illinois University Carbondale

Assistant Lecturer - NTT

The School of Computing is seeking qualified applicants for a full-time, term, NTT position starting January 1, 2024. Appointment will be at the rank of Assistant Lecturer for an individual with a master's degree, and at the rank of Clinical Assistant Professor with a doctorate.

Duties: Teach undergraduate courses, in subjects such as computer science I and II, programming languages, data structures, computer literacy, systems programming, software development, web-based programming, distributed systems and discrete math. Duties will also include student retention and recruitment activities.

To read the full job announcement and apply, see:

NTT Faculty (Computer Science) (Extended Deadline) <https://jobs.siu.edu/job-details?jobid=15230>

Southern Methodist University

Open Rank Tenured/Tenure-Track Professor in Technology-Enhanced Immersive Learning

The Simmons School of Education & Human Development invites applications for an open rank, full time tenured/tenure track faculty position in the Technology-Enhanced Immersive Learning (TEIL) cluster (www.smu.edu/teil). We seek candidates at all levels with experience investigating or applying artificial intelligence, machine learning and learning analytics to improve learning outcomes and/or increase the scalability of instructional practices. Application areas include immersive learning, instruction, and assessment using augmented reality, virtual reality, mixed reality, motion capture and game-based learning technologies.

The full job posting can be viewed at <http://apply.interfolio.com/127963>.

Stanford University

Open Rank Faculty Position in the Department of Statistics

The Department of Statistics at Stanford University invites applications for a tenure-track or tenured appointment at any rank and in any area of Statistics or Probability,



TEXAS TECH
UNIVERSITY.

Associate Director

Performs administrative duties in the management and coordination of a large specialized project and program. Under general supervision, performs varied and complex administrative duties requiring independent judgment and the application of established policies and procedures.

May provide supervision and direction to clerical, paraprofessional or professional staff members.

Required Qualifications:

- Bachelor's degree in the area of specialization or closely related field.
- Four years of related administrative and technical experience.

To apply, visit: <https://apptrkr.com/4492690>

broadly understood. Applicants should have demonstrated strong research abilities and exhibit a commitment to teaching and mentoring. The successful candidate must have a Ph.D. in statistics, data science, computer science, mathematics, or a related discipline at the time of appointment and will be expected to teach and advise students at both the graduate and undergraduate levels.

[Apply Here](#)

Toyota Technological Institute at Chicago

Tenure-Track and Research Faculty Positions

The Toyota Technological Institute at Chicago (TTIC) invites applications for the following faculty positions in computer science:

- tenure-track Assistant Professor
- tenured Associate Professor or full Professor
- Research Assistant Professor (for more details, see a separate job ad for this position in the postdoc job type)
- Visiting Professor

While we welcome applications from many areas of computer science, we will give preference to candidates working in the following areas:

- machine learning
- computer vision
- natural language processing and speech
- robotics
- computational biology
- algorithms and complexity theory

About TTIC

TTIC (www.ttic.edu) is a philanthropically endowed academic institute dedicated to fundamental research and graduate education in computer science. All TTIC faculty positions are supported by the endowment.

TTIC produces cutting-edge research and offers world-class graduate education. Our faculty routinely publish their results at top conferences and are recognized with distinctions such as the Sloan Research Fellowships, NSF CAREER Awards, Best Paper Awards, and the NAS Michael and Sheila Held Prize. TTIC research faculty alumni have an excellent employment track record (<https://www.ttic.edu/faculty-alumni/>).

Further, TTIC faculty members enjoy a uniquely light teaching load, which helps them focus on their research. TTIC has only PhD students, so all courses and activities are focused on advanced learning and research.

Located on the University of Chicago campus, TTIC has strong ties to the University. In addition to having access to TTIC's excellent computing infrastructure, faculty members benefit from many of the University of Chicago's state-of-the-art facilities, as well as opportunities to collaborate with UChicago faculty and students.

TTIC faculty members frequently collaborate with colleagues from leading academic institutions around the world (travel and visitor hosting are strongly supported by TTIC). TTIC also typically hosts several workshops each year.

TTIC faculty and students enjoy the close proximity of a vibrant urban environment with flourishing culture, business, and entertainment scenes.

We invite candidates with an outstanding academic record and passion for computer science research to join our world-class team of tenured/tenure-track and research faculty members (www.ttic.edu/faculty/).

Teaching Requirements

Tenured/tenure-track faculty teach one quarter per year. Research faculty have no teaching duties, but have the opportunity to teach and co-advise students.

Benefits

Benefits at TTIC include excellent medical PPO or HMO insurance through Blue

Cross Blue Shield of Illinois, and dental and vision insurance through Principal (80% employer paid). TTIC also provides employer-paid short-term and long-term disability and life insurance, as well as Flexible Spending Accounts for healthcare, transit and parking. Retirement benefits include a 401(k) with a gift of 3% of the employee's annual salary and a contributory match of up to 5% of annual salary. Dependent benefits include generous college tuition benefits at any accredited college or university.

Timeline

We will start reviewing applications on December 1, 2023, and will continue until the positions are filled.

Application Requirements

1. cover letter
2. curriculum vitae
3. research statement
4. teaching statement (optional for Research Assistant Professor applicants)
5. names and contact information of at least three references

For the position of Research Assistant Professor (RAP), an option exists to apply for a joint program with the Simons Institute at Berkeley. For the joint program, please check the Simons Fellowship requirements (<https://simons.berkeley.edu/programs/fellows>). Please note that the Simons Institute has a different deadline.

Where to Apply

Please apply here: <https://ttic.edu/facultyapplication>

Senior applicants may directly contact the Chief Academic Officer (avrim@ttic.edu) or faculty members in their areas.

Questions

recruiting@ttic.edu

In keeping with its long-standing traditions and policies, Toyota Technological Institute at Chicago (TTIC) considers students, employees, applicants for admission or employment, and those seeking access to TTIC programs on the basis of individual merit.

In accordance with federal, state, and local law, TTIC does not discriminate on the basis of sex, race, color, religion, national origin, citizenship, ancestry, age, marital status, physical or mental disability, medical condition, genetic information, pregnancy or perceived pregnancy, gender, gender identity, gender expression, sexual orientation, protected military or veteran status, or any other protected status under the law, including Title IX of the Education Amendments of 1972. TTIC prohibits discrimination based on legally protected status with respect to all employment-related decisions, educational and admissions policies, personnel actions, and academic actions.

TTIC is committed to providing a respectful and positive environment for all members of its community, free from all forms of discrimination and harassment.

Tufts University

Multiple Open Faculty Positions

The Department of Computer Science at Tufts University invites applications for multiple open faculty positions. For more information about the department or these positions, please visit <http://go.tufts.edu/CSpositions>.

Throughout their application, candidates are encouraged to demonstrate their attention to diversity and inclusion as these topics relate to teaching, research (as applicable), and engagement within the academic environment. We welcome candidates with a variety of life experiences and perspectives that will add value to our department. Women, Black/African Descent, Indigenous/Native American, Hispanic/Latinx, People of Color, LGBTQ, individuals with disabilities, and others with intersecting marginalized identities are strongly encouraged to apply. The department especially values candidates who have an interest in civic engagement, social impact, and the betterment of society.

Tenure-track faculty positions in Programming Languages, Artificial Intelligence, and any area with leadership potential, starting in Fall 2024.

We invite applications for multiple tenure-track faculty positions. We are interested in candidates at the Assistant or Associate Professor level who conduct research in programming languages, including software engineering researchers whose work is adjacent to programming languages. We also seek candidates at the Associate Professor

level who conduct research in artificial intelligence, especially those with interests in neuro-symbolic AI, language processing with large language models (LLM), formal methods for safe learning, cognitive systems, and multi-agent planning and reasoning. Candidates who connect to and build on the department's and/or university's strengths are particularly encouraged to apply. Additionally, we seek candidates for the Ada Lovelace Professorship. Candidates for this professorship must demonstrate strong leadership potential and may be in any area of computing. This is a regular, permanent position, for which the Lovelace Professorship will apply for the first five years, after which the candidate will automatically continue as a regular faculty member. Mid-career, new or established Associate Professors, or recently promoted Full Professors are preferred for the Ada Lovelace Professorship. Exceptional candidates not matching the above position descriptions will also be considered.

Please submit your application online through Interfolio at <https://apply.interfolio.com/129454>.

Review of applications will begin December 15, 2023 and will continue until the positions are filled. Inquiries should be emailed to ttsearch@cs.tufts.edu.

Teaching-track faculty positions (in person and online) starting in 2024. We invite applications for multiple full-time teaching positions as Lecturer (open rank), Teaching Professor (open rank), or Professor of the Practice. The primary responsibility for these positions is

teaching and curriculum development for the department's undergraduate and graduate programs. Candidates should specify in their cover letter whether they are interested in teaching primarily in the in-person program or the online program. Candidates for teaching in the online program may be located anywhere in the U.S. These positions will begin in Spring or Fall 2024. Candidates may have expertise in any area of computer science or a closely related field. They are expected to have strong foundational knowledge in one or more areas of our core curriculum, including Data Structures, Algorithms, Programming Languages, Computation Theory, and Data Science. These are full-time, non-tenure-track positions. The initial appointment term will be for two years with the possibility of renewal contingent on annual performance review results.

Please submit your application through Interfolio at <https://apply.interfolio.com/129237>.

Applications are due December 15, 2023 but review of applications will begin October 15, 2023 and will continue until the positions are filled. Inquiries should be emailed to cssearch@cs.tufts.edu.

Adjunct faculty positions.

We conduct an ongoing search for qualified part-time lecturers for in-person and online courses.

Submit your application at <https://apply.interfolio.com/123592>.

About Tufts

The Tufts CS department has grown significantly in the past decade in faculty,

student size, and research funding. The department recently moved into the brand-new Joyce Cummings Center, which is also the home of Math, Economics, the Data Intensive Studies Center, and the Derby Entrepreneurship Center. Tufts offers the best of a liberal arts college atmosphere coupled with the intellectual and technological resources of an R1 research university. We support and encourage a culture of interdisciplinary research, and there are numerous such opportunities within the university. Located only six miles from historic downtown Boston, faculty members on the Tufts Medford/Somerville campus have extensive opportunities for academic and industrial collaboration outside of Tufts as well as participation in the rich intellectual life of the area.

Tufts University is an Equal Opportunity/Affirmative Action Employer. We are committed to increasing the diversity of our faculty and staff and fostering their success when hired. See the University's Non-Discrimination statement and policy at <https://oeo.tufts.edu/policies-procedures/non-discrimination/>. If you are an applicant with a disability who is unable to use our online tools to search and apply for jobs, please contact us by calling the Office of Equal Opportunity (OEO) at 617-627-3298 or at oeo@tufts.edu. Applicants can learn more about requesting reasonable accommodations at <http://oeo.tufts.edu>.

Tulane University

Professor of Practice Position in Computer Science at Tulane

The Department of Computer Science at Tulane University invites applications for a Professor of Practice position beginning in Spring 2024. We welcome and encourage applications from members of underrepresented groups.

Tulane brings together bold and creative scholars, scientists and students who are committed to crossing boundaries. Our friendly and collaborative department currently has 11 tenure-track/tenured faculty and 3 Professors of Practice with a commitment to grow over the next few years. In our research and teaching, we take pride in our equal focus on both computer science and its interdisciplinary applications.

Tulane Professors of Practice are faculty who design, enhance, and teach courses, and provide departmental and university service. The typical teaching load is three sections per semester (two preps). Candidates interested in creating and adopting pedagogical innovations, conducting scholarly activity in computer science education, or developing original elective courses will find many opportunities and support to pursue their interests.

Review of applications will begin October 1, 2023, and will continue until the position is filled. Our preference is to fill the position in Spring 2024, but we are also open to the option of a Fall 2024 start.

For a full description of this position, and to apply, please visit: <https://apply.interfolio.com/130831>.

Union College

Union College, a highly-selective undergraduate liberal arts and engineering college, invites applications for the **Tenure-Track Mary H. '80 and Richard K. '80 Templeton Assistant Professor of Computer Science**, beginning September 2024. This endowed position is part of a broader initiative to further strengthen and integrate computer science and engineering with the liberal arts at Union. The area of expertise is open. Successful applicants will be committed to excellence in teaching, research, mentoring undergraduates, and to fostering a diverse and inclusive community.

At Union, institutional expectations and support are balanced between teaching and research; the ideal candidate will be enthusiastic about teaching, supervising undergraduate research, sustaining an independent research program, and providing service to the department and the college. This tenure track position involves teaching the equivalent of two courses in each of three trimesters, advising 2-3 senior projects each year, and serving as an academic advisor. We welcome applicants from all areas of expertise, including those that can further strengthen connections between computer science and the liberal arts.

We will begin reviewing applications starting October 15, and will continue until the position is filled. Advice for

applying can be found at <https://cs.union.edu/jobs/>. Further information about the department is available at <https://cs.union.edu/jobs/>.

University of Arkansas - Fayetteville

Assistant Professor - Engineering

The Department of Electrical Engineering and Computer Science (EECS) at the University of Arkansas, Fayetteville, is accepting applications for a tenure-track assistant professor in computational theory beginning August 2024. Research expertise in the areas of theoretical computer science, algorithms, or related emerging areas including, but not limited to, algorithms (randomized, distributed, parallel, approximation), data structures, algorithmic or computational complexity aspects of graph theory, geometry, optimization, databases, logic, game theory, networks, quantum computing, or molecular computing.

Applicants must have a Ph.D. in computer science, computer engineering, or a closely related discipline by the start of employment. The responsibilities of this position include teaching, research, and service in the EECS department. The University of Arkansas is an equal opportunity, affirmative action institution.

For more information and to apply for this position: Applications should be submitted via the University of Arkansas Career site:

https://uasys.wd5.myworkdayjobs.com/UASYS/job/Fayetteville/Assistant-Professor---Engineering_R0045203

University of California San Diego

Assistant Teaching Professor - CSE

The University of California San Diego [Computer Science and Engineering Department](#) seeks applications for an

Assistant Teaching Professor (formal title Lecturer with Potential Security of Employment). Teaching Professors are full members of the academic senate and are eligible for Security of Employment, analogous to tenure.

The responsibilities of Teaching Professors emphasize teaching courses and



Assistant Professor of Teaching in Electrical and Computer Engineering 23-24

The Department of Electrical and Computer Engineering (ECE) in the College of Engineering (CoE) of the University of California, Davis (UC Davis) is seeking a tenure-track Assistant Professor of Teaching (formal title Lecturer with Potential Security of Employment) position in Computer Engineering.

This position parallels that of an Assistant Professor on a tenure track, but with primarily teaching duties and curriculum development and related service activities.

The successful candidate will teach computer engineering courses (primarily at the undergraduate level), develop new courses, lead accreditation activities, participate in continuous curriculum improvement, and lead diversity and inclusion efforts. The candidate will also be expected to engage in professional and/or scholarly activities such as scholarship in pedagogy and/or scholarship in their underlying research area and/or development and assessment of new educational initiatives and/or applying for grants related to education and/or initiating new learning centers and teaching programs, etc. The candidate should have a strong teaching record and commitment to undergraduate education and will demonstrate an understanding of the barriers preventing full participation of members from historically underrepresented and marginalized student communities in higher education.

A Ph.D. in computer engineering, electrical engineering or a closely related discipline is required.

Reasonable estimated salary range for this position is \$121,600 to \$131,300, inclusive of the salary scale and off-scale salary components.

Apply link: <https://apptrk.com/4496130>

The position is open until May 1, 2024, but to assure full consideration, applications should be submitted no later than November 1, 2023, for a start date of July 1, 2024.

UC Davis is an affirmative action / equal opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities, and veterans.



Assistant/Associate/Full Professors in ML/AI for Chemistry and ML/AI/Software Platforms for Science at UC Berkeley

The University of California at Berkeley is recruiting two tenured or tenure-track professors with an expected start date of July 1, 2024; one in ML/AI for chemistry, materials science, and chemical biology, and one in ML/AI methods for science including software platforms for their implementation and dissemination. The first position will be jointly in the Department of Chemistry and either the Departments of Statistics or EECS, and the second position will be in the Department of Statistics.

For more information about the positions, including required qualifications and application materials go to: <https://apptrk.com/4590652>

The deadline to apply is October 31, 2023. For questions please contact: iquintanilla@berkeley.edu. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

contributing to the teaching mission of the department. Teaching Professors are also expected to maintain an active program of educational and/or disciplinary scholarship, and to contribute to department service as senate faculty. The teaching load is two courses per quarter at the undergraduate and/or graduate level.

We seek candidates who have demonstrated that they are promising computer science and engineering educators, and who are interested in a teaching-focused career. Candidates who have engaged in activities or efforts to educate a broad and diverse group of students and worked to increase the participation and success of students from groups underrepresented in computer science are preferred.

Applicants must have an expectation of completing a Ph.D. in computer science and/or CS education or a related area by July 1, 2024. Applicants should have prior teaching experience as a TA, lead instructor, or other comparable experience. UC San Diego is deeply committed to education and is a leader in undergraduate computer science education at a large scale.

More information about the CSE department and its Teaching Faculty can be found at <http://www.cse.ucsd.edu/> and <https://csed.ucsd.edu/>.

We encourage candidates to send applications as soon as possible. Applications submitted by October 15, 2023 will receive full consideration; review will continue until the position is filled.

To apply and/or more information, please visit: <https://apol-recruit.ucsd.edu/JPF03676>

UC San Diego is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to excellence through diversity. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran.

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 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 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.

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 Chicago

Computer Science Phoenix STEM Instructional Professor

The Department of Computer Science in the Physical Sciences Division at the University of Chicago invites applications for teaching positions for the position of Instructional Professor (open rank). The selected candidate will be appointed as Assistant Instructional Professor, Associate

Instructional Professor, or Instructional Professor, depending on qualifications. The appointment will be for a term of up to five years, renewable. This is a career-track position with potential progression, competitive salary, and benefits, with time allocated for professional development. This position is expected to begin in academic year 2024-2025.

The terms and conditions of employment for this position are covered by a collective bargaining agreement between the Service Employees International Union (SEIU) and the University.

The selected candidate will be expected to contribute to the goals of the Phoenix STEM program, which includes increased persistence in STEM for all students, including first-generation and other historically under-represented student groups at the University of Chicago. The Phoenix STEM program will train the selected candidate to incorporate innovative pedagogical techniques, such as collaborative learning, to help students succeed in courses in the Computer Science major. The selected candidate is anticipated to teach introductory programming, discrete mathematics, and algorithms. Position responsibilities include teaching (average teaching load is two courses per quarter in the fall, winter and spring quarters) and non-classroom instructional or service duties as needed.

Qualifications

Candidates must have either:

- A doctorate in Computer Science or a related field at the time of appointment (preferred) or;

- A master's degree and 4 years of relevant professional experience.
- At least one year of prior university-level teaching experience is required, such as, but not limited to, instructor of record or teaching assistant.

Application Instructions

Applications must be submitted online through the University of Chicago's Academic Jobs website <http://apply.interfolio.com/131320>.

Review of applications will begin on October 7, 2023 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae;
- teaching statement including description of teaching philosophy and experience. Must include a list of courses that the candidate is qualified to teach. This statement may also include the candidate's experience in teaching diverse students (The University's Diversity Statement can be found at <https://provost.uchicago.edu/statements-diversity>);
- syllabi of courses previously taught and/or designed by the candidate, or sample syllabi of proposed courses;
- applicants are required to request at least three confidential letters of recommendation via Interfolio. At least one of these letters should address the candidate's teaching effectiveness
- Optional: candidates may submit teaching evaluations.

Equal Employment Opportunity Statement

All University departments and institutes are charged with building a faculty from a diversity of backgrounds and with diverse viewpoints; with cultivating an inclusive community that values freedom of expression; and with welcoming and supporting all their members.

We seek a diverse pool of applicants who wish to join an academic community that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at <https://provost.uchicago.edu/statements-diversity>.

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

Job seekers in need of a reasonable accommodation to complete the application process should call 773-834-3988 or email equalopportunity@uchicago.edu with their request.

University of Cincinnati

Assistant Professor

The School of Information Technology (SoIT) at the University of Cincinnati (UC) seeks to hire three (3) tenure-track Assistant Professors to teach undergraduate or graduate courses in the areas of cybersecurity, cloud computing, software application development, human-computer interaction, and/or applied data science to start in August 2024.

For full job description and details on how to apply online, please visit <https://jobs.uc.edu> and search keyword 93795.

University of Cincinnati

Assistant Professor-Educator

We are fine with being charged for the cost of 100 words. I did have one change to the Assistant Professor-Educator ad, however.

The School of Information Technology (SoIT) at the University of Cincinnati (UC) seeks to hire three (3) Assistant Professor-Educators to teach undergraduate or graduate courses in the areas of Cybersecurity, Software Application Development, Data Technologies, Networking/Systems, and Game Development, as they relate to Information Technology to start in August 2024.

For full job description and details on how to apply online, please visit <https://jobs.uc.edu> and search keyword 93798.

University of Cincinnati

Assistant/Associate/Full Professor

Job Overview

The University of Cincinnati Department of Electrical & Computer Engineering in the College of Engineering and Applied Science invites applicants for full-time tenured or tenure-track position at the Assistant, Associate, or Full Professor level with a starting date of August 15, 2024. We seek candidates in the areas of electrical and computer engineering, such as, but not limited to:

- Semiconductor manufacturing, devices, and circuits
- Communication theory and systems
- Cybersecurity
- Operating Systems and Computer Networks
- Artificial Intelligence

The appointment will be made within the Assistant, Associate, or Full Professor with salary and rank commensurate with credentials.

Apply Here: <https://jobs.uc.edu/job-invite/93499/>

University of Hawai'i at Mānoa

Assistant/Associate Professor, AI/ML

The [Department of Information and Computer Sciences](#) at the University of Hawai'i at Mānoa invites applications for a tenure-track Assistant Professor or Associate Professor position starting in the 2024-2025 academic year (possibility of starting in January 2024).

Professional Opportunities

We are seeking candidates in the area of Artificial Intelligence/Machine Learning, with emphasis on development of new models and applications. The hiring effort is associated with a National Science Foundation grant to fund research and capacity building in support of actionable climate science.

Applicants may learn more about the position and submit their applications electronically at: <https://go.hawaii.edu/yfM>

Inquiries: Professor Jason Leigh (leighj@hawaii.edu).

The University of Hawai'i at Mnoa, a Carnegie RI 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.

University of Iowa

Associate/Full Professor(s) in Business Analytics

The award-winning Department of Business Analytics in the Tippie College of Business at the University of Iowa invites applications for one or more associate faculty positions at the professor level starting August 2024.

We are excited to consider a broad range of fields, including Applied Mathematics, Business Analytics, Computer Science, Artificial Intelligence, Industrial Engineering, Informatics/Information Sciences, Logistics, Management Science, Operations Management/Supply Chain, Statistics, or any related field. The successful candidate(s) will

contribute to vibrant and growing programs at the graduate and undergraduate levels. Find more information at <https://teach.tippie.uiowa.edu>.

To apply, go to <https://jobs.uiowa.edu/>

University of Iowa

Assistant Professor (Tenure Track) and/or Lecturer (Instructional Track) of Computer Science

The University of Iowa Computer Science Department invites applications for multiple tenure- and instructional-track positions effective August 2024. The Department offers the BA, BS, MCS, and PhD degrees in Computer Science, the BA, BS, MS, and PhD degrees in Informatics, the BSE degree in Computer Science & Engineering (jointly with the Department of Electrical and Computer Engineering) and the BS degree in Data Science (jointly with the Department of Statistics and Actuarial Science).

The Department is home to many externally funded research programs, including well-established efforts in systems, theory and algorithms, programming languages and formal methods, artificial intelligence and machine learning, HCI, informatics, and computing at the intersection with society, health and medicine. We are currently seeking creative and collaborative scholars from all areas of Computer Science interested in working in a collegial, supportive, and multidisciplinary environment. We are particularly interested in candidates whose work complements or strengthens our current areas of

research, but remain committed to hiring the best candidates across the breadth of our discipline and have the capacity to accommodate faculty couples.

Candidates must hold a PhD in computer science or a closely related discipline at time of appointment.

Tenure-track candidates must demonstrate potential for research and teaching excellence in the environment of a major research university; a record of scholarly publication in leading venues and prior teaching experience are desirable. Responsibilities include conducting cutting-edge research in the candidate's area of expertise, teaching undergraduate and graduate courses, supervising graduate student research, and making service and outreach contributions to the Department, the College, the University, and the discipline.

Instructional-track candidates must demonstrate an aptitude for teaching excellence at a university level; prior teaching experience is desirable. Assignments include teaching predominantly undergraduate courses, curriculum evaluation and development, and service/outreach contributions to the Department, the College, the University, and the discipline.

How to Apply: Applications should include a CV, a research statement (for tenure-track positions), a teaching statement (all positions), and contact information for three references. Successful candidates will be required to self-disclose any misconduct history or pending research

misconduct investigation including but not limited to sexual misconduct in prior employment and provide a related release and will be subject to a criminal background and credential check.

For additional information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>.

Screening will begin immediately, although applications received by January 1, 2024 are assured of full consideration.

About Iowa: With just over 30,000 students, the University of Iowa is one of the nation's top public research universities, a member of the Big Ten conference since 1899, and an Association of American Universities member since 1909. The first public university to admit men and women on an equal basis, it is known today for its balanced commitment to the arts, sciences, and humanities and its world-class programs in medicine and the health sciences. Located in Iowa City, an urbanized area of 170,000 people that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and has an annual externally funded research budget of over \$700M.

The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, creed, color, religion, national origin, age, sex, pregnancy (including childbirth and related conditions), disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, or associational preferences. The university

also affirms its commitment to providing equal opportunities and equal access to university facilities.

University of Iowa requisition numbers 74939 (tenure track) and 74943 (instructional track).

The University of Iowa

Postdoctoral Research Scholar

The Computational Epidemiology (CompEpi) group at the University of Iowa is seeking applicants for a post-doctoral fellowship, ideally starting in Fall of 2023. The CS faculty in the CompEpi group include Bijaya Adhikari, Sriram V Pemmaraju, and Alberto M Segre and one or more of these faculty will serve as a mentor. This is a one-year position, but based on availability of funding and other factors, the fellowship may be extended.

The CompEpi group's primary focus is on the use of computational techniques to understand, model, and mitigate healthcare-associated infections (HAIs) such as C. diff and MRSA infections. These infections are typically amplified in hospitals, nursing homes, outpatient clinics, etc. and can often be resistant to a wide spectrum of antibiotics.

A PhD or equivalent in Computer Science (CS) or related fields such as applied mathematics, statistics, or operations research is required. It is expected that the candidate will have expertise in one or more of the following areas: AI/ML, algorithms, discrete optimization, data mining, large-scale discrete-event simulations, mathematical modeling,

and network science. A background in epidemiology or healthcare research would be desirable.

The salary will be in the range \$62K-65K per year. Postdoctoral scholars are eligible for a number of University benefits and services, including health insurance: <http://hr.uiowa.edu/benefits/postdoctoral-scholars-fellows>.

More information about this position can be found at <https://jobs.uiowa.edu/postdoc/view/4060>.

To apply, interested candidates should submit a CV, research statement, and names of 3 references to Sriram V Pemmaraju at sriram-pemmaraju@uiowa.edu.

The University of Iowa is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, religion, national origin, age, sex, pregnancy (including childbirth and related conditions), disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, or associational preferences. The University also affirms its commitment to providing equal opportunities and equal access to University facilities. Women and Minorities are encouraged to apply for all employment vacancies. For additional information on nondiscrimination policies, contact the Coordinator of Title IX and Section 504, and the ADA in The Office of Institutional Equity, 319/335-0705 (voice) or 319/335-0697 (text), The University of Iowa, 202 Jessup Hall, Iowa City, Iowa, 52242-1316.

University of Iowa

Tenure-Track Assistant Professor(s) in Business Analytics

The award-winning Department of Business Analytics in the Tippie College of Business at the University of Iowa invites applications for one or more tenure-track faculty positions at the Assistant Professor level starting August 2024.

We are excited to consider a broad range of fields including Applied Mathematics, Business Analytics, Computer Science, Artificial Intelligence, Industrial Engineering, Informatics/Information Sciences, Logistics, Management Science, Operations Management/Supply Chain, Statistics, or any related field. The successful candidate(s) will contribute to vibrant and growing programs at the graduate and undergraduate levels.

Find more information at <https://teach.tippie.uiowa.edu>.

To apply, go to <https://jobs.uiowa.edu/>

University of Kentucky

Assistant Professor in Computer Science/Engineering

The Department of Computer Science at the University of Kentucky invites applications for multiple tenure-eligible, 9-month appointment (Regular Title Series) faculty positions to begin August 2024. We seek excellent candidates in all areas, with specific needs in AI/machine learning, software engineering/HCI, theoretical computer science, data science/data mining, wireless networks, computer systems

and security. A demonstrated ability to collaborate with diverse teams to address grand societal challenges is highly desirable. Successful candidates must demonstrate a strong commitment to undergraduate and graduate education and be qualified to teach a broad range of courses in Computer Science. All regular title series faculty are expected to have a mix of research, teaching, and service to be negotiated annually with the chair of the department. We will consider all ranks, with preference for candidates at the assistant professor level. Tenure-eligible faculty are expected to build a strong research program in their chosen area and to be dedicated teachers, contributing to our instructional offerings at both undergraduate and graduate levels.

The Department, housed within the College of Engineering, has 22 faculty members. We aim to be a diverse community of researchers and educators pursuing pioneering research in computer science as well as interdisciplinary research collaborations at the university and beyond; offering all students the highest quality instructional programs including Bachelor's, Master's, and PhD degrees in Computer Science, Master's degree in Data Science, and Bachelor's, Master's, and PhD degrees in Computer Engineering; expanding our reach to marginalized and underrepresented students, and serving the professional, local, state and global communities. The degree programs in Computer Engineering are offered in collaboration with the Department of Electrical and Computer Engineering Department; the undergraduate programs in Computer Science and in Computer Engineering are ABET-accredited.

The University of Kentucky is one of eight institutions in the United States with colleges of agriculture, arts and sciences, business, engineering, law, medicine, and pharmacy all on a single campus, making it uniquely suited for diverse interdisciplinary collaborations. Located in Lexington, one of the safest, most creative and well-educated cities in the nation, we offer an ideal setting in which to build a successful work-life balanced career. Lexington is the heart of the scenic Bluegrass Region, with many outdoor recreation opportunities and excellent public and private schools. To learn more about these benefits, please visit: <https://www.uky.edu/hr/benefits>.

Applications are now being accepted. Review of submissions will begin immediately and continue until the positions are filled. Candidates must have earned a PhD in Computer Science or closely related field at the time employment begins.

To apply, a University of Kentucky Academic Profile must be submitted at the following link: <https://ukjobs.uky.edu/postings/486613>. Applicants should submit a cover letter, full curriculum vitae, research statement (upload under Specific Request 1), teaching statement (upload under Specific Request 2), and contact information for a minimum of three references when prompted in the application.

Questions should be directed to HR/Employment by phone at 1-859-257-9555 (press 2) or email (ukjobs@email.uky.edu) or to Diane Mier (diane.mier@uky.edu) in the Computer Science Department. Upon offer of employment, successful applicants must undergo a

national background check as required by University of Kentucky Human Resources.

The University of Kentucky is an equal-opportunity employer and especially encourages applications from women and members of underrepresented groups.

University of Maine

Assistant Professor of Electrical and Computer Engineering

Applications are invited for a tenure-track Assistant Professor position at the University of Maine (UMaine) in the Department of Electrical and Computer Engineering (ECE, ece.umaine.edu) through a position that is held jointly between ECE (75%) and the UMaine Advanced Research Computing Security and Information Management or ARCSIM (25%). The ECE Department will serve as a tenure home for this faculty position.

Applicants must have a strong research background and teaching interest in High-Performance Computing. We welcome exceptional applications from areas closely related to high-performance or distributed/parallel computing: Hardware accelerators (e.g., FPGA & GPU), Trustworthy AI, Big data and its storage, Data security, Scientific visualization, and Emerging computing (e.g., Nueromorphic, Photonic, and Quantum). Candidates should be passionate about computing education, both in a formal classroom setting and through informal outreach to the broader community including industrial outreach and K-12 outreach.

About ECE and ARCSIM: With its excellent faculty complement and state-of-the-

art instructional labs, ECE offers ABET-accredited BS degrees in Electrical Engineering and Computer Engineering. ECE also offers 4+1, 4+2, MS, and PhD programs and has access to excellent research facilities including a new GPU cluster in Barrows 112. ARCSIM supports the research mission of UMaine by providing technical support through a broad portfolio of services to academic departments & research centers.

Candidates are expected to build a creative R&D program that leads to externally sponsored funding, high impact scholarly publications, and training of MS/PhD students on graduate research. Candidates should contribute to teaching excellence at undergraduate and graduate levels (e.g. Computer architecture, C/Python programming, AI/GPU computing, HPC, Senior design, etc.) This position entails 50% teaching/50% research and active engagement in service to profession, to UMaine and to Maine.

The candidate must have a PhD in Computer Engineering or a closely related field by the start date and a strong research record. A record of teaching and/or postdoctoral experience is preferred but not required. Expressed future interest or demonstrated past experience that help the successful candidate in contributing to UMaine's DIE mission is an asset.

Interested candidates should submit a complete application package that includes a cover letter, a CV, a combined statement of research and teaching interests/philosophy (max. of 5 pages), pdf copies of his/her three most

significant publications, and names and contact information for five professional references to <https://umaine.hiretouch.com>. Please note that UMaine will require a background check before extending a final offer. General inquiries about this position should be sent to the ECE administrative specialist by emailing Heather.J.Pierce@maine.edu, who will forward it to the Search Chair.

Review of applications is expected to begin on October 1, 2023. The expected start date is January 1, 2024; however, the start date is negotiable between successful candidate and ECE Chair.

University of Maine

Assistant Professor of Spatial Computing

The School of Computing and Information Science at the University of Maine seeks applicants for a tenure-track Assistant Professor position in the Spatial Computing group. We seek applicants in the broad area of spatial computing, including spatial statistics, GIScience, spatial HCI, spatial data science, and spatial AI, but we will consider qualified candidates in all areas in the spatial domain. Applicants should have a PhD in computer science, GI science, information science, geography, psychology/cognitive science, or a closely related discipline by date of hire, and demonstration of a strong research profile as evidenced by relevant and recent contributions in peer-reviewed conferences and journals.

To Apply, visit: <https://umaine.hiretouch.com/job-details?jobid=82589>.

University of Maryland

Managing Director

The Institute for Trustworthy AI in Law and Society (TRAILS), housed within the *University of Maryland Institute for Advanced Computer Studies* (UMIACS), is the lead unit in a multi-million dollar, multi-institutional project funded by the National Science Foundation and the National Institute of Standards and Technology.

We are currently seeking a Managing Director to add to our TRAILS team. The Managing Director works closely with the Institute's Faculty Director on all organizational elements of the institute, ensuring the smooth functioning of the institute across all sites.

The position manages and coordinates the day-to-day administration of this program, including developing and implementing program policies/procedures, monitoring progress towards Institute goals, working with finance personnel to ensure operations are within budget, coordinating staff and resources, optimizing and improving processes, project reporting, coordinating with evaluators and advisory boards, and keeping stakeholders informed, exercise independent judgment and discretion while managing multiple moving project targets simultaneously and will have the delegated authority to make commitments affecting institute operations.

Qualified candidates will have a bachelor's degree and 5 years of related experience OR a graduate degree and 3 years of related experience. The successful

candidate will be a team member who has demonstrated the ability to interact with a varied population of diverse audiences effectively. They must have excellent communication and organization skills and experience coordinating and implementing programs, events, and/or services.

Experience with research administration and research development within higher education as well as experience in helping write project reports is preferred. As is experience in helping prepare for project evaluation and experience with orchestrating team science and team development. Preference may also be given to applicants with PMP certification, experience facilitating large multi-institutional and geographically spread team with external collaborators, and experience in hosting (running) academic workshops, event logistics.

As part of your application, please submit the name and contact information of at least three (3) professional references.

Offers of employment are contingent on completion of a background check. Information reported by the background check will not automatically disqualify you from employment.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does

not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

Best Consideration Date: September 11, 2023

Apply at: <https://ejobs.umd.edu/postings/III1235>.

University of Michigan

Computer Science & Engineering Faculty Positions

Computer Science and Engineering (CSE) at the University of

Michigan College of Engineering invites applications for multiple tenure-track and teaching faculty (lecturer) positions, as part of its aggressive long-term growth plan. We seek exceptional candidates in all areas across computer science and computer engineering, across all ranks. Qualifications include an outstanding academic record; an awarded or expected doctorate (or equivalent) in computer science, computer engineering, or a related area. We seek faculty members who commit to excellence in graduate and undergraduate education, will develop impactful, productive and novel research programs, and will contribute towards advancing a culture of diversity, equity and inclusion.

We will begin reviewing applications as soon as they are received, starting October 1st, 2023 and continuing throughout the academic year. For more details on these positions and to apply, please visit <https://cse.engin.umich.edu/about/faculty-hiring/>.

The University of Michigan is one of the world's leading research universities, consisting of highly ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts, with a commitment to interdisciplinary collaboration. CSE is a vibrant and innovative community, with more than 90 world-class faculty members, more than 400 graduate and 2500 undergraduate students, and a large and illustrious network of alumni. Ann Arbor is consistently rated one of the best small cities in the nation. More area information is available at <https://cse.engin.umich.edu/about/visit/area-information/>.

Michigan Engineers are world-class educators, researchers, students and staff who strive to build a people-first future. As part of the nation's number one public research institution, Michigan Engineering's mission is to provide scientific and technological leadership to the people of the world, develop intellectually curious and socially conscious minds, create collaborative solutions to societal problems, and promote an inclusive and innovative community of service for the common good.

Our vision, mission and values are supported by a people-first engineering framework that guides our work. As Michigan Engineers, we strive to apply

excellent engineering fundamentals, integrated expertise and equity-centered values to reimagine what engineering can be, close critical gaps, and elevate all people. Information about our vision, mission and values can be found at: <http://strategicvision.engin.umich.edu/>.

The University of Michigan has a storied legacy of commitment to Diversity, Equity and Inclusion (DEI). Michigan Engineering models that commitment in our research, teaching, culture and collaborations. We seek to recruit and retain a diverse workforce as a reflection of that commitment. Learn more about DEI at Michigan Engineering: <https://www.engin.umich.edu/culture/diversity-equity-inclusion/>

CSE is firmly committed to DEI and improving our climate through transparent communication and effective action, as shown in our annual report: <https://cse-climate.engin.umich.edu/reports/climate-dei-reports/cse-climate-and-dei-report-2022-2023/>

The University of Michigan is an equal opportunity/affirmative action employer, and is responsive to the needs of dual career families.

University of Nebraska at Omaha

Cybersecurity Assistant Professor

The School of Interdisciplinary Informatics in the College of Information Science and Technology invites applicants for a tenure-track assistant professor in Cybersecurity, starting as soon as Spring 2024.

Qualifications:

- Ph.D. in Cybersecurity, Computer Science, Information Technology, or a similar field with a Cybersecurity research area

Responsibilities Include:

- Teaching courses that align with the program's goals and objectives.
- Engaging in cybersecurity research
- Supervising and mentoring graduate students at both master's and doctoral levels.

Why choose CYBR at UNO?

- Accreditation: The Cybersecurity program (or CYBR for short) at UNO is an NSA-designated Center of Academic Excellence (CAE) in Cyber Defense (CD) and Cyber Operations (CO), a combination held by only a handful of universities nationwide.
- Impact and growth: The CYBR program at UNO is growing and increasing its impact. Highlights include:
 - Over \$10M in federal grant funding secured in the past 5 years.
 - A vibrant academic community of 6 tenure-track faculty, 3 dedicated full-time instructors, 282 undergraduates, 54 master's candidates, and a diverse group of students in minors, multidisciplinary studies, and graduate certificates.
- This represents a 20% average year-over-year growth rate since our inception, from 30 students in 2009 to 336 now.
- A groundbreaking curriculum offering both traditional and fully online degree options, catering to a wide array of students, including active-duty military and working professionals.

Applications must be submitted directly through the UNO website at <https://unomaha.peopleadmin.com/postings/18589> to be considered for this position.

Review of applications will begin on October 15, 2023 and will continue until the position is filled. For questions about the position, please contact Dr. Matt Hale, Associate Professor of Cybersecurity at mlhale@unomaha.edu.

The University and the College of Information Science & Technology have a strong commitment to achieving diversity among faculty and staff. The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment. UNO is a VEVRAA Federal Contractor and an E-Verify employer.

University of North Texas

Postdoctoral Research Associate

The Computer Science and Engineering Department at the University of North Texas have an **immediate opening for multiple postdoctoral fellows**. The positions will be part of a multi-disciplinary team participating in a funded research program. The general areas of interests are: machine learning, deep learning, spatial intelligence, mobile computing, mobility simulation, and multi-agent robotic coordination.

The successful candidate will join a multidisciplinary team to work on cutting-edge research. The initial appointment is one year with the possibility of renewal based on performance.

The successful candidates will have the opportunity to supervise graduate-level research assistants, collaborate with fellow scholars including a team of postdocs, and promote the accomplishments through publications, presentations, and other public events.

For full consideration, apply by 09/30/2023. Review of applications will begin 09/01/2023 and continue until the position is filled. Click the following link for details and apply: [UNT CSE Postdoc](#)

For more information about these opportunities contact Yan Huang (Yan.Huang@unt.edu).

University of Oklahoma

Assistant Professor in AI Architectures:

We seek to recruit a transdisciplinary faculty member with expertise in one or more of the following areas: scalable, high-performance software and hardware architectures for: AI and advanced analytics, advanced and domain-tailored data science, AI (trustable, science-based, and human-guided), and human-computer teaming. Specific areas of interest include probabilistic, neuromorphic, and novel architectures, software pipelines and operating system architectures to support high-performance analytics, and enable real-time trustable AI and decision-making.

A Ph.D. in engineering, or related discipline is required.

For more information or to submit an application online via Interfolio go to <http://apply.interfolio.com/112359>.

Inquiries can be addressed to Professor Andrew Fagg, chair of the search committee at fagg@ou.edu.

The University of Oklahoma is an equal opportunity institution. For more information, please visit <http://www.ou.edu/eoo>.

University of Rochester

Tenure-Track Assistant Professor in Computational Social Science

The University of Rochester seeks applicants for a tenure-track assistant professor in computational social science. This will be a joint appointment between the [Goergen Institute for Data Science](#) (GIDS) and a tenure home department in Political Science, Economics, or Linguistics, depending on which best aligns with the applicant's research and teaching. Exceptional candidates in all areas of computational social science are encouraged to apply.

Applicants must have (or be about to receive) a doctorate in computer science, data science, operations research, applied mathematics, statistics, economics, linguistics, political science, or a related discipline. Candidates should have strong skills in computational social science and/or data analytics, as well as a research agenda that uses these methods to

analyze substantive issues in political science, economics, or linguistics.

Teaching responsibilities for this position will be split between GIDS and the home department. The successful candidate will have the opportunity to supervise PhD, Master's, and undergraduate students at the home department and at GIDS.

Application materials should be submitted online at the [University's faculty recruiting website](#).

We will begin reviewing applications on **September 15, 2023**.

Salary Range: \$110,000.00 - \$180,000.00

Applications will continue to be reviewed on a rolling basis until a candidate is hired or until **February 1, 2024**.

University of Rochester

Tenure-Track Assistant Professor Position in Electrical and Computer Engineering

The Department of Electrical and Computer Engineering (ECE) at the University of Rochester is undertaking a multi-year expansion of its faculty to support its growing research and educational programs in multiple areas, including robotics; artificial intelligence; augmented and virtual reality; nanoelectronics/ photonics; quantum computing, communications, and sensing; quantum materials/devices; emerging circuit technologies and systems; and VLSI.

We invite applications from outstanding candidates for a tenure-track assistant

professor position in all areas of ECE. Applicants must hold a doctorate in ECE or a related field by the time their faculty appointment begins. We are deeply committed to building a more diverse and representative faculty, and strongly encourage applications from groups underrepresented in STEM and in higher education. We are actively working to improve the environment for all underrepresented groups as we strive to weave diversity, equity, and inclusion throughout the University's mission to learn, discover, heal, and create.

For application instructions and more information about the University of Rochester and the Department of ECE, see: <https://www.rochester.edu/faculty-recruiting/positions/show/15942>.

Applications must be received by December 1, 2023 to be guaranteed full consideration.

Salary: \$108,000 - \$112,000

The referenced pay range represents the full 9-month base range of pay for this job. Individual salaries will be determined within the job's salary range and established based on market data, experience and expertise of the individual, and internal equity considerations.

EOE/Minorities/Females/Protected Veterans/Disabled

University of Washington Bothell

Two Assistant Teaching Professors

Computing & Software Systems

Priority Deadline: November 1, 2023

The Computing & Software Systems Division of the School of STEM at the University of Washington Bothell invites applications for two teaching-track positions at the rank of assistant teaching professor. This is an opportunity to lead educational programs to make computing accessible to all, including students lacking access to substantial resources or social capital. The successful candidates for these positions will be enthusiastic, visionary computing educators who want to shape the future of our profession; we have committed substantial resources to the success of this work.

Candidates will be considered across a wide range of teaching interests, including but not limited to: computer science education, software engineering, cybersecurity, artificial intelligence, technical and scholarly communications, network-centric computing, data-centric computing, and entertainment computing.

Visit https://ap.washington.edu/ahr/position-details/?job_id=121773 to read the full position advertisement, learn more about UW Bothell, review notices regarding the role, and to apply!

If you have a question about the details of this search/position, please contact the search committee at uwbcSSs@uw.edu.

University of Washington

Assistant Professor, Associate Professor or Full Professor

Position Description

The University of Washington's Paul G. Allen School of Computer Science & Engineering invites applications for multiple tenure-track positions across all areas in both Computer Science and Computer Engineering. Hires will be made at the Assistant (Tenure-track), Associate (Tenure-eligible), or Full (Tenure-eligible) Professor ranks, commensurate with experience and qualifications. The positions would be full-time, multi-year appointments with 9-month service periods and with an anticipated start date of September 1, 2024. Our school offers a highly collegial and collaborative culture, with broad interdisciplinary research ties across campus. We are leaders both in core computing and computer engineering research, and in research that applies computer science to solve pressing world challenges in medicine and global health, education, accessibility, developing world technology, and others. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, top technology companies, as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere.

The University continues building its culturally diverse faculty and staff and strongly encourages applications from women, underrepresented minorities, individuals with disabilities and veterans. The University is a first-round awardee of the National Science Foundation's ADVANCE Institutional Transformation

Award to increase the advancement of women faculty in science, engineering, and math (see www.engr.washington.edu/advance). Moreover, College of Engineering has consistently had one of the highest percentages of women faculty in the top 50 colleges of engineering (US News and World Report Undergraduate Rankings). Additionally, the University's Office for Faculty Advancement promotes the hiring, retention, and success of a diverse and inclusive faculty at the University of Washington.

The successful candidate will be relied upon to support our commitment to diversity, equity, inclusion and access. All University of Washington faculty engage in teaching, research, and service.

The base salary range for the position will be \$12,000 – \$16,000 at the Assistant Professor level, \$14,000 – \$19,000 at the Associate Professor level, and \$15,000 – \$25,000 at the Professor level per month for a 9-month service period, commensurate with experience and qualifications, or as mandated by a U.S. Department of Labor prevailing wage determination. Other compensation associated with these positions may include a one-time relocation incentive.

Qualifications

Applicants must have earned a doctorate (or foreign equivalent) in Computer Science, Computer Engineering, or related field, by the date of appointment.

Application Instructions

To ensure full consideration of your application, please submit all

materials no later than November 15, 2023. Applications will only be accepted via Interfolio.

Please provide pdf files for the following requested materials:

- Letter of application (cover letter)
- Complete curriculum vitae
- Research statement
- Teaching statement
- Diversity statement
- Your three most significant publications
- You are also asked to provide at least four confidential letters of recommendation.

<http://apply.interfolio.com/131064>

For any administrative issues or inquiries related to the search, please contact frc@cs.washington.edu. For technical issues, please contact Interfolio staff at 877-997-8807 or help@interfolio.com.

Equal Employment Opportunity Statement
University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.

Benefits Information

A summary of benefits associated with this title/rank can be found at <https://hr.uw.edu/benefits/benefits-orientation/benefit-summary-pdfs/>. Appointees solely employed and paid directly by a non-UW entity are not UW employees and

are not eligible for UW or Washington State employee benefits.

Commitment to Diversity

The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (<http://www.washington.edu/diversity/diversity-blueprint/>). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profile and responsibilities (<https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432>).

Privacy Notice

Review the University of Washington Privacy Notice for Demographic Data of Job Applicants and University Personnel to learn how your demographic data are protected, when the data may be used, and your rights.

Disability Services

To request disability accommodation in the application process, contact the Disability Services Office at 206-543-6450 or dso@uw.edu.

Vanderbilt University

Professor of the Practice

THE DEPARTMENT OF COMPUTER SCIENCE (CS) AT VANDERBILT UNIVERSITY is seeking applicants for a professor of the practice or lecturer of computer

science position with a target start date of as early as the Spring 2024 semester. Primary responsibilities are teaching three core CS courses per semester from introductory to upper division. Candidates must possess a Ph.D. in computer science, computer engineering, or a related discipline and ideally have prior teaching experience in these programs. This is a term appointment, eligible for renewal, contingent on performance. The CS department at Vanderbilt, in 2020, launched a multi-year faculty recruitment and hiring process to propel the Vanderbilt computer science program to one of the leading academic programs nationally and beyond. We are committed to teaching and research excellence and employ several Professors of the Practice and lecturers who are fully integrated into the CS department.

Ranked #13 nationally, Vanderbilt University is a private, internationally recognized research university located on 330 park-like acres 1.5 miles from downtown Nashville, Tennessee. Its 10 distinct schools share a single cohesive campus that values collaboration. The University enrolls over 13,500 undergraduate, graduate, and professional students, including 36% minority students and over 1,100 international students from 84 countries.

With a metro population of over two million people, Nashville's top industries by employment include trade, transportation, and utilities; education and health services; professional and business services; government; and leisure and hospitality. Other industries

include manufacturing, financial activities, construction, and information. Long known as a hub for health care and music, Nashville is a technology center with a considerable pool of health care, AI, and defense-related jobs available. In recent years, the city has experienced an influx of major office openings by some of the largest global tech companies and prime Silicon Valley startups.

At Vanderbilt University, we are intentional about and assume accountability for fostering advancement and respect for equity, diversity, and inclusion for all students, faculty, and staff. Our commitment to diversity makes us who we are. We have created a community that celebrates differences and lets individuality thrive. As part of this commitment, we actively value diversity in our workplace and learning environments as we seek to take advantage of the rich backgrounds and abilities of everyone. The diverse voices of Vanderbilt represent an invaluable resource for the University in its efforts to fulfill its mission and strive to be an example of excellence in higher education.

Vanderbilt University is an equal-opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran, or any other characteristic protected by law.

Vanderbilt University has made the health and safety of our students, faculty and staff and our surrounding communities a top priority. As part of that commitment,

the University may require all employees to (1) participate in any required on-campus COVID-19 testing protocol as may then be in effect or (2) show proof of full vaccination against COVID-19. Refer to this COVID-19 Health and Safety link for additional information, <https://www.vanderbilt.edu/healthwellness/public-health/covid19/>.

Applications should be submitted online at: <http://apply.interfolio.com/129878>. Applications should include a full CV, a statement of teaching consisting of teaching philosophy, relevant experience, and interests, the names and email addresses of three references, and teaching evaluations, if available. Competitive applications will include evidence of creative and effective pedagogy.

Review of applications will begin immediately, and applications will be accepted until the position is filled.

Villanova University

Assistant Professor of Computer Science

The Department of Computing Sciences at Villanova University seeks to fill one tenure track position at the rank of Assistant Professor beginning Fall 2024. Minimum qualifications include PhD in Computer Science or closely related field; active research agenda leading to high-quality publications; commitment to effective teaching; support for interdisciplinary teaching and research; and commitment to promoting diversity and inclusion. Strong candidates from all research areas will be considered. A

background in data science, HPC, or VR/AR is preferred.

To apply go to: <https://jobs.villanova.edu/postings/27113>

Questions about the position can be directed to Dr. Mirela Damian at mirela.damian@villanova.edu.

Virginia Commonwealth University

Computer Science Department Chair

The Department of Computer Science of the College of Engineering (CoE) at Virginia Commonwealth University (VCU) invites applications for a Department Chair starting Fall 2024.

Virginia Commonwealth University is an equal opportunity, affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

VCU's College of Engineering was established in 1996 as a public-private partnership to address the need for engineering innovation in a 21st-century economy. Under a new Dean of Engineering, the college is undergoing exceptional transformations, expanding its interdisciplinary research and educational offerings and aiming for excellence in impactful thematic areas of global significance. VCU Engineering's research collaborations with industry, community, and academic partners regularly yield breakthroughs in pharmaceutical engineering; smart cities, sustainability, and clean energy;

materials development; health care, regenerative medicine, rehabilitation, and medical device development; data science and better security for cyber and cyber-physical systems.

As part of a premier research university in Virginia's capital city, VCU's computer science department has bachelor's, master's, and doctoral programs and collaborates closely with many VCU schools and departments, including VCU's MCV (medical) campus. The Department of Computer Science is headquartered in VCU's state-of-the-art Engineering Research Building, which opened in early 2021. This facility has advanced laboratory space for computer science research. Faculty research specialties include cybersecurity, data science, digital forensics, bioinformatics, cryptography, natural language processing, machine learning, mobile and edge computing, quantum machine learning, robotics, software engineering, and wireless networks. Our five graduate programs, including a doctoral program in computer science, attract top students from across the U.S. and globally. Additional information about the department's programs and faculty may be found at <http://www.egr.vcu.edu/departments/computer/>.

Position Responsibilities: Actively work with faculty in the Department and across the University to identify and pursue research, education, and service innovations. Demonstrate leadership in recruiting and retaining high-caliber, diverse faculty. Evaluate faculty and staff performance, and make recommendations

for tenure, promotion, reappointment, salary adjustment, and leaves of absence. Facilitate and encourage grants and contracts from extramural sources. Encourage improvement of faculty performance by fostering good teaching and stimulating research, scholarly writing, and creative activity. Lead faculty in essential processes that shape the curriculum and have an impact on the learning of students. Effectively articulate department and college vision to internal and external constituencies. Will further develop collaboration with other departments within the college, industry, and the VCU Medical Campus. The Department is committed to developing and maintaining state-of-the-art facilities and instrumentation supporting its key research and educational mission.

For more information on this position, or to apply, please go to this website:

<https://vcu.csod.com/ux/ats/careersite/2/home/requisition/4317?c=vcu>

Virginia Tech Innovation Campus

Professor of Intelligent Interfaces

The Virginia Tech Innovation Campus and the Department of Computer Science seek applicants for a senior faculty position (tenured full or associate professor) in Intelligent Interfaces, working at the intersection of human-computer interaction (HCI) and artificial intelligence (AI). The position is partially supported by an endowment provided through a generous gift of The Boeing Company. Exceptional

candidates will be considered for an endowed chair or named professorship.

We seek candidates who can lead and foster the themes of the Innovation Campus vision, in particular use-inspired research, building pathways for a diverse graduate student cohort, and creating partnerships with industry. Strong candidates conducting human-centered, impactful research at the intersection of HCI and AI and conversant with both perspectives are encouraged to apply. The candidate will help shape the research theme at the Innovation Campus through their influence in future faculty searches in the area.

Apply here: <https://careers.pageuppeople.com/968/cw/en-us/job/526690/professor-position-in-intelligent-interfaces>

Whitman College

Assistant or Associate Professor of Computer Science

The Department of Computer Science at Whitman College seeks applicants for a tenure-track position beginning August 2024, area open, at the rank of assistant professor or associate professor. Applicants must have a Ph.D. in computer science or a related field by the start of the position. In addition to traditional areas of computer science, we welcome candidates working in interdisciplinary, emerging, and socially-engaged areas of computing research. We seek candidates who will strive for excellence in teaching as well as scholarship, including those who currently hold industry positions.

Computer Science is among Whitman's newest academic programs, graduating our first two majors in 2018 and about twenty majors in 2023, with further growth anticipated. Class sizes range from under ten to about thirty students. Beyond the major, the Department graduates 5-10 minors each year, while introductory and intermediate level courses engage students from all majors and class years. The Department contributes to a minor in data science, a new interdisciplinary concentration in human-centered design, and a developing institutional strength in scientific computing.

The successful candidate will demonstrate potential to teach core and elective computer science courses for majors and non-majors across all levels of the curriculum. Beyond this, the department provides opportunities to teach in the College's first year seminar program, supervise senior capstone projects, develop new courses that integrate research interests with teaching, and contribute to shaping departmental curriculum. The standard annual teaching load is five courses.

The successful candidate will further demonstrate potential to sustain an active scholarly or creative research agenda and to participate in faculty governance, mentorship, or other forms of service that contribute to the overall functioning of the college. The College provides strong institutional support for the teacher-scholar model, including a robust program of student-faculty research grants, support for seeking external grants, a generous pre-tenure

Professional Opportunities

sabbatical leave program, and further support for professional development in both research and teaching.

With growing cohorts of students of historically marginalized identities, including women, international students, and domestic students of color, the Department strives to foster a welcoming learning community with an emphasis on active learning and collaborative problem-solving. Reaching beyond Whitman, CS faculty seek to increase participation in computing through CS education research and advocacy, design for accessibility, and the summer STEM camp with the Confederated Tribes of the Umatilla Indian Reservation.

Whitman College is committed to fostering an inclusive learning community that values diverse identities, experiences, and perspectives. In the cover letter, candidates should describe their interest in teaching undergraduates, majors as well as non-majors, at all levels of

instruction. In doing so, candidates should address how their lived experiences and classroom and scholarly practices will advance equity and inclusion in the learning environment and help Whitman promote antiracist, systemic change.

To apply, go to [Interfolio Link](#). The online application will prompt you to submit all of the required materials: a cover letter, curriculum vitae, separate statements addressing the candidate's teaching interests and scholarly/ performance agenda, contact information for three references, graduate transcripts, and evidence of demonstrated or potential excellence in undergraduate instruction.

Review of applications will begin October 18, 2023.

Salary Range: \$85,000-\$105,000, depending on rank

Whitman College offers a competitive benefits package that is designed to

attract qualified candidates and retain talented employees. Full-time employees enjoy the following benefits: *Medical/Dental/Vision* Insurances; basic *life, accidental death and dismemberment* and *long term disability* insurances with the capability to elect additional voluntary coverage; *403(b) Defined Contribution Retirement Plan* with a 10% matching contribution after *eligibility requirements* are met; *Tuition Remission - Dependent Children*, after *eligibility requirements*; employee *tuition waiver* for one Whitman course per semester; and an *Employee Assistance Program*. New faculty receive reimbursement for moving expenses based on the distance of relocation and are compensated \$1,500 for attending a required New Faculty Orientation.

[Whitman College](#) an EEO employer.