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: "In Case You Missed It" Items From Across CRA

For CRA, 2024 is off to a blazing start! We have so many opportunities for members of the community to get involved, we couldn't choose just one to focus on for this month's CRA Update. Check out this article for a summary of current opportunities to get involved with.

See page 2 for details

CCC Receives $5 Million NSF Award to Continue Catalyzing the Research Community

After an intensive recompete process, CCC is pleased to announce it has been awarded a $5 million grant from NSF to continue serving the computing research community for another two years. The new award will enable the implementation of several notable enhancements to CCC operations.

See page 4 for details

NSF Launches Pilot of NAIRR Program to "Democratize the Future of AI"

NSF, in collaboration with several other federal agencies, has announced the launch of the National Artificial Intelligence Research Resource (NAIRR) pilot program, the aim of which is to to connect researchers and educators with the resources needed to support their work in order to power innovative AI research.

See page 20 for details

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CRA Update: "In Case You Missed It" Items From Across CRA

By Matt Hazenbush, Director of Communications

For CRA, 2024 is off to a blazing start! We have so many opportunities for members of the community to get involved, we couldn't choose just one to focus on for this month's CRA Update.

Below are just a few of the ways you (and people in your network!) can get involved with the work of CRA and our subcommittees. We encourage you to think about who in your circles might be interested in one of the opportunities below, and share it with them.

Do you want to be considered for upcoming CRA volunteer opportunities based on your interests? Fill out our volunteer form at cra.org/getinvolved.

NSF CSGrad4US Graduate Fellowship and Mentoring Program Now Accepting Applications

Are you looking to grow the number of PhD students in your research group? Or have you or someone you know been out of school for a while and might be interested in pursuing a PhD in a computing field?

If so, the NSF Computer and Information Science and Engineering Graduate Fellowship Program (CSGrad4US) may be an excellent fit!

CSGrad4US provides mentorship and NSF funding to help early career professionals go back to school to pursue innovative projects enroute to a PhD in computing.

Accepted applicants participate in a year-long preparation program, during which mentors and coaches help them identify a graduate program, find a research mentor, and apply to graduate programs. Once enrolled in a qualifying graduate program, Fellows receive funding for 3 years of their selected graduate program.

Read the profiles of Fellows currently in the program. Faculty: Do any of these Fellows remind you of a former student who might be interested in going back to school? Be sure to let them know about this great opportunity to get the funding and mentorship they need.

Applications are now open! The deadline to apply is **May 31, 2024**.

What Is the NSF CSGrad4US Fellowship & Mentoring Program? NSF CSGrad4US

Nominate Future CRA Leaders to Attend Snowbird 2024

By now, CRA member leaders (e.g., department chair, lab leader) should have marked their calendars for the 2024 CRA Conference at Snowbird, taking place July 23-25 in Snowbird, Utah. Our flagship, invitation-only conference is a unique opportunity for computing research leaders from across North America to gather, network, and address common issues in the field. And as revealed last month, the theme for this year will be generative AI.

And now, for the first time this year, a select number of researchers who have demonstrated the potential to be a future leader in the field will be selected to attend the 2024 CRA Conference as a part of the inaugural cohort of the **Future CRA Leaders Program**.

In addition to being full conference attendees with access to attend sessions and network with senior leaders, Future CRA Leaders will receive special recognition during the conference's opening session and be invited to an exclusive Future CRA Leaders networking event. The researchers selected for this opportunity will also present a lightning talk on a computing research topic of their choosing during a special Future CRA Leaders conference session.

NOMINATION FORM

If you're a CRA member leader and would like to nominate a researcher to be a part of the Future CRA Leader Program, complete this form by **March 15, 2024**. Nominations must be completed by a CRA member leader, and each member unit may submit only one nomination for consideration. Individuals of all levels of seniority may be nominated.

CRA-WP Alumni @ SIGCSE 2024

CRA-WP is gathering interest for an Alumni meet up at SIGCSE 2024 in Portland this year. We hope to check in with you, connect you with other CRA-WP alumni, and share ways you can get involved!

If you are a CRA-WP (formerly CRA-W) alumni and will be attending SIGCSE 2024, please complete this interest form.

UR2PhD Accepting New Institutional Partners for the Fall Term

Do you wish you could scale your department's research capabilities? Are faculty members at your institution interested in expanding the reach and diversity of their research labs? Would your graduate students benefit from hands-on mentorship training? Would your undergraduate researchers benefit from receiving the foundational and peer support they need to be successful?

If you answered yes to any of these questions, we highly encourage you to consider applying to be an institutional partner for the UR2PhD program. The Undergraduate Research to PhD Mentoring (UR2PhD) Program was launched last year to help increase the number of women and gender-marginalized students pursuing graduate studies in a CISE field. To accomplish that goal, the UR2PhD team created two courses to help institutions scale their research efforts without dramatically increasing their faculty and staff workload.

Institutions are encouraged to submit their applications as soon as possible, but no later than **March 15, 2024.**

CRA-I Call for Council Member Nominations

The Computing Research Association – Industry (CRA-I) is charged with increasing interaction between industry partners and other organizations involved in computing research for the benefit of all. To fulfill its mission, CRA-I needs visionary leaders—people with fresh perspectives, discernment, and the ability to work as a team to achieve big things.

To that end, CRA-I is growing a Council of (eventually 21) leaders from industry and academia representing the breadth and diversity of the computing discipline today. Please help the industry research community by nominating outstanding colleagues for the CRA-I Council. Send nominations to industryinfo@cra.org.

CCC Call for Visioning Proposals

The Computing Community Consortium (CCC) welcomes visioning proposals year-round from the community to catalyze innovative research at the frontiers of computing. If you have an idea for a visioning activity, please consider submitting a proposal.

Successful activities will articulate new research visions, galvanize community interest and mobilize support in those visions from community members, government leaders, and funding agencies, and encourage broader segments of society to participate in computing research and education. Workshop proposals are evaluated on a rolling basis, and you should expect at least 9 months will be needed between the date you submit your proposal and the date of the proposed workshop.

For more information on submitting visioning proposals, please consult our Request for Visioning Proposals webpage and updated Best Practices.

UR2PhD: Opportunities for Undergraduate Students, Faculty, and Institutions

CRA-E
Computing Research Association
Education

By Julia Sepulveda, Program Associate, CRA-E

The UR2PhD program was launched with the goal of significantly increasing the number of women and gender-marginalized students, especially those who identify as Black, Native, and Latinx, pursuing a PhD in a CISE field. To this end, UR2PhD is helping institutions scale their research training capabilities, so that undergraduates have access to quality experiences and graduate students feel prepared to provide positive mentorship and guidance.

The undergraduate research methods course helps participants develop and apply practical research skills, like how to read and interpret research papers, how to conduct literature reviews, and how to analyze and present data.

The 2024 student application recently opened; student applications will be accepted until **March 29** for the Summer 2024 term. Undergraduates who have little to no research experience, but are interested in developing their understanding of research and research capabilities are strongly encouraged to apply.

If your institution is looking to scale undergraduate research efforts, consider applying to be an institutional partner. Institutional partner applications will be open through **March 15, 2024.**

Lastly, if you're interested in teaching the undergraduate research methods course this summer, please consider applying by **February 18, 2024**.

For more information about the UR2PhD program, please visit our website at: https://cra.org/ur2phd/

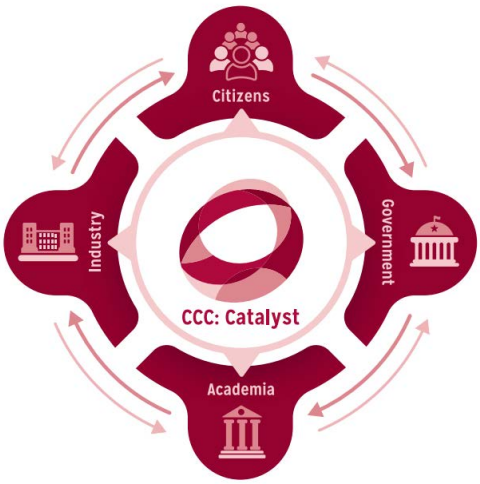
Additional questions and inquiries can be directed to ur2phd@cra.org

CCC Receives $5 Million NSF Award to Continue Catalyzing the Research Community

CCC
Computing Community Consortium
Catalyst

By Haley Griffin, Program Associate, CCC, and Matt Hazenbush, Director of Communications

Following an intensive recompete process, the Computing Community Consortium (CCC) is pleased to announce it has been awarded a $5 million grant from the National Science Foundation (NSF) to continue serving the computing research community for another two years.



Building on CCC's strong track record of impact, the new award will enable the implementation of several notable enhancements to CCC operations, including strengthening its communications outreach and establishing a new evaluation strategy to support CCC's continuous improvement.

"I'm very pleased to be continuing our partnership with NSF," said Dan Lopresti, Professor of Computer Science and Engineering at Lehigh University, CRA Board

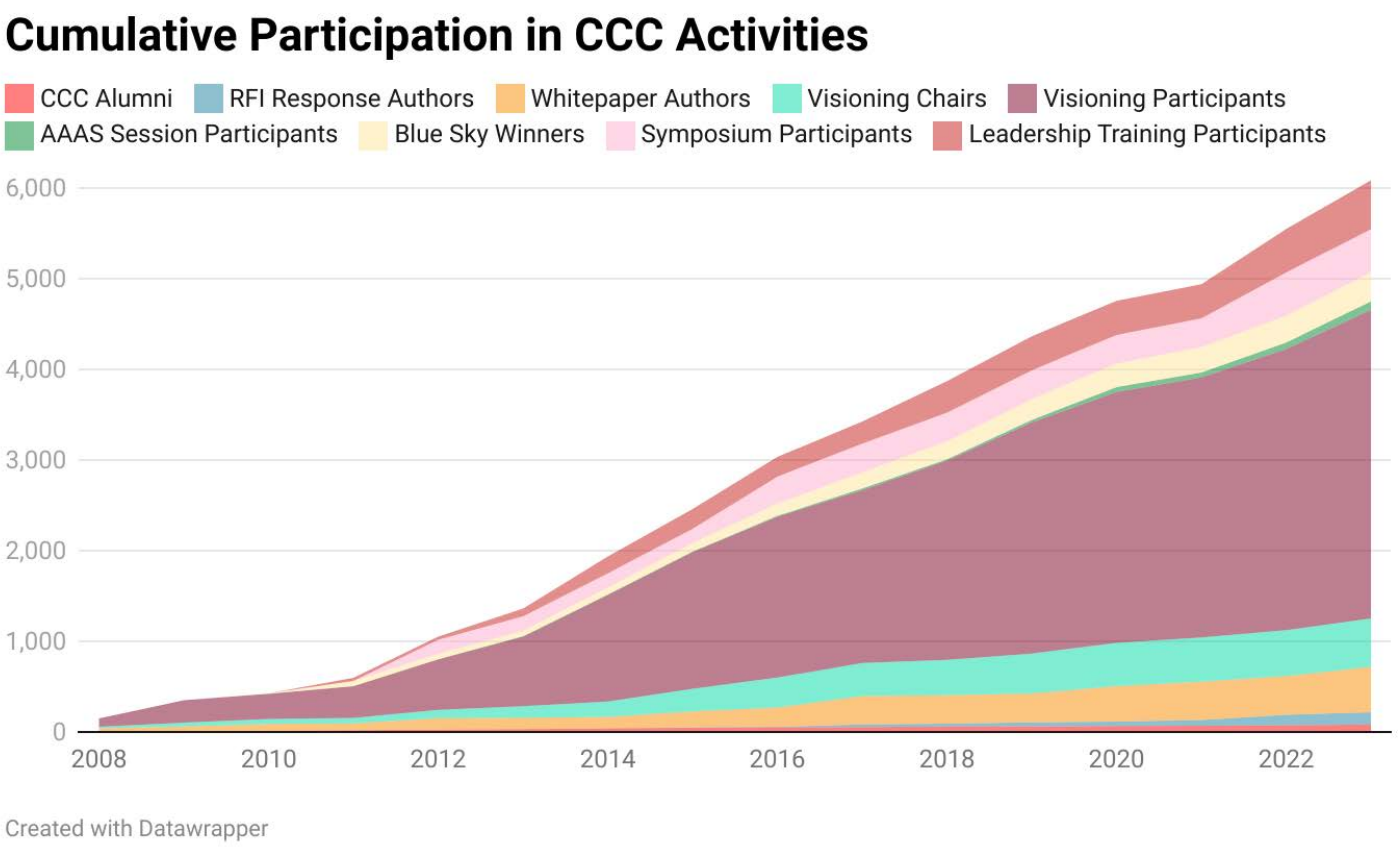
NSF Award *(continued)*

Member, and CCC Chair. "NSF's continued support of our work ensures that we will have the resources to fulfill our goals of broadening our reach and increasing our responsiveness to the evolving needs of the computing research community."

A Powerful Convener

Since its founding in 2006 through a cooperative agreement between NSF and the Computing Research Association (CRA), CCC has held a unique position at the nexus of the computing research community, convening a wide range of experts from across the public, private, and government sectors. Over the course of its history, participation in CCC activities has steadily increased, and is poised for an acceleration in growth with the new NSF award.

"Since its founding, the CCC has aimed to inform and inspire diverse stakeholders within the broad computing research community.," said Nadya Bliss, Executive Director of the Global Security Initiative at Arizona State University and CCC Vice Chair. "With NSF's continued support, we are looking forward to scaling our impact and engaging an even wider network across sectors."



Articulating Compelling Research Visions and Developing New Talent

Aimed at addressing national and societal challenges, CCC creates visions for computing research and, in doing so, helps lay the groundwork for significant advances in the field of computing. Bringing necessary insights and expertise to bear on critical problem areas, the visioning activities provide a platform for the computing research community to express its priorities, while also developing future national leaders in the field.

NSF Award *(continued)*

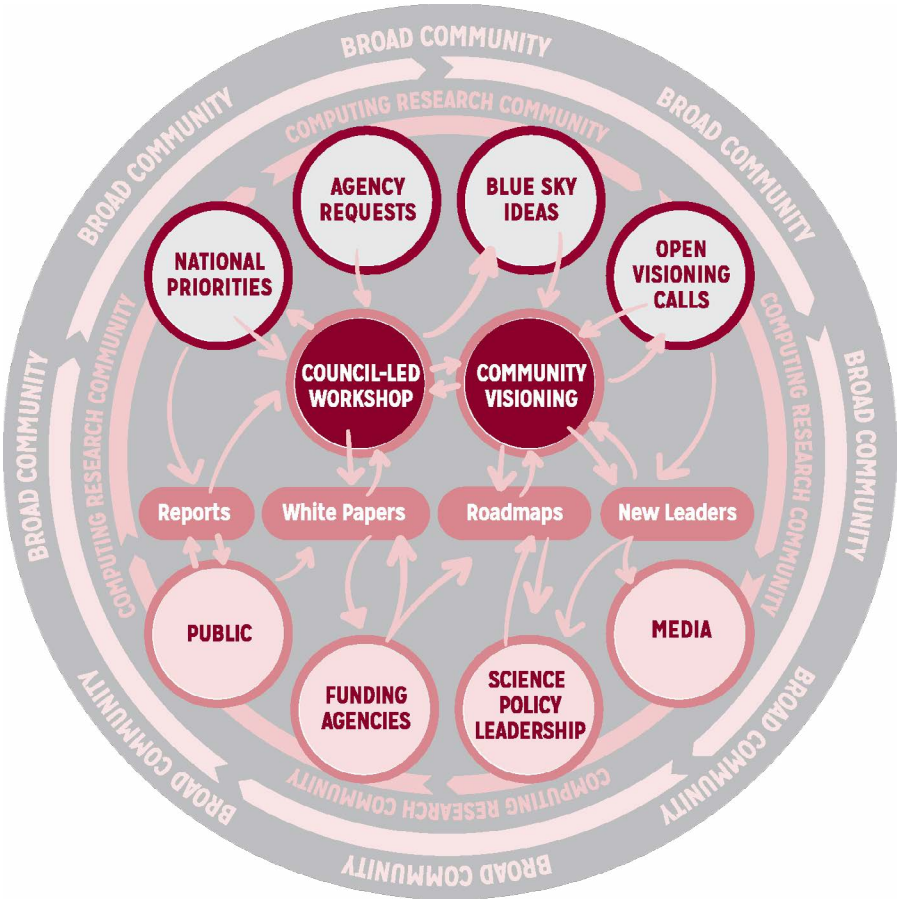
"The CCC's impact is in shaping the future of computing research, both in terms of articulating research visions and nurturing the pipeline of leaders," said Lopresti.

This is done in part through involving early career researchers in visioning activities, including workshop leadership, and through the co-sponsorship of the Leadership in Science Policy Institute (LiSPI), which educates computing researchers on how science policy in the U.S. is formulated and how our government works.

Coming Together to Meet Pressing National and Global Challenges

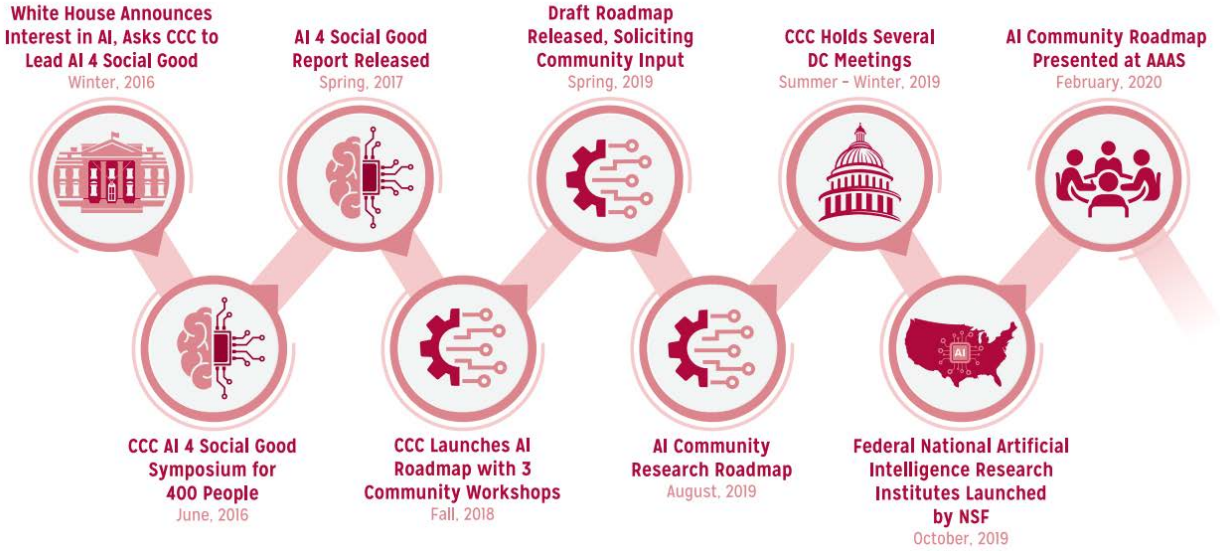
The outputs of the CCC's work–including workshop reports, white papers, high-level report-outs, presentation briefs, videos, blog posts, and Federal RFI responses–are rooted in a robust, community-based ecosystem. Through the support of the new NSF award, CCC will elevate its impact by enhancing its breadth, strengthening its communications outreach, and leveraging synergistic collaborations, as demonstrated in the figure below.

Computing has broad societal impacts, and the influence of CCC's work can be seen across topics and subfields of computing, including health, climate, AI, robotics, hardware security, cybersecurity and quantum. Through its many activities, including its visioning work, CCC aims to impact thought leaders in government, academia, and industry in order to more effectively drive conversations around the future of computer and information science and engineering research.



For example, as artificial intelligence has risen in the public discourse, CCC has been at the forefront of the conversation from the beginning. CCC's experience with its 20-Year Community Roadmap for Artificial Intelligence Research in the US shows that the path to a major success is not straight and quick–it requires a visible leadership presence, a strong network spanning the research community, a solid working relationship with policy makers, and persistence including a long-term commitment to follow through on the very best ideas.

CCC IMPACT: ARTIFICIAL INTELLIGENCE



Stay Up to Date and Get Involved

CCC looks forward to continuing our visioning work within the computing research community; enabling interdisciplinary, diverse, and effective conversations at a time in which responsible and forward-thinking computing research has never been more crucial.

Follow along with CCC's many ongoing activities by subscribing to the CCC Blog. If you or a colleague is interested in being considered for the Council, nominations are open through Friday, February 2. The Council is seeking nominations from leaders with established track records of service who will contribute great ideas, display sound judgment, and have the ability to work collaboratively to see ideas through to completion. Those selected will serve on the CCC Council for three year terms beginning July 1, 2024 and concluding June 30, 2027.

Mary Lou Maher to Join CRA as Director of Research Community Initiatives

CCC
Computing Community Consortium
Catalyst

By Matt Hazenbush, Director of Communications

The Computing Research Association (CRA) is excited to announce the naming of Mary Lou Maher, PhD to the position of Director of Research Community Initiatives. An accomplished researcher with leadership experience that spans the settings of universities, large research projects, and the National Science Foundation (NSF), Dr. Maher joins CRA from the University of North Carolina at Charlotte, where she most recently served as a professor in the Department of Software and Information Systems and previously served as the Department Chair.

Mary Lou Maher *(continued)*

In her new role, Dr. Maher will assume responsibility as the director of the Computing Community Consortium (CCC) and will work alongside its Council members to ensure fulfillment of its mission to enable the pursuit of innovative, high-impact computing research that aligns with pressing national and global challenges.

"The CCC is recognized as a leading force in bringing together the community's top minds to articulate visions for the future of the field," said Tracy Camp, CRA's Executive Director and CEO. "Mary Lou's experience and skill sets make her the ideal person to lead the CCC to the next phase of its development and take its impact to even greater heights."

Over the course of her distinguished career, Dr. Maher has led many large, multi-disciplinary research efforts, and been a champion of diversity, equity, and inclusion efforts in computing. Her research interests in human-centered AI includes deep learning models of creativity and co-creativity, ethical and trustworthy human-AI interaction, and interaction design for human-AI collaboration. She has led research projects that address organizational change for diversity, equity, and inclusion in computing education through AI-based learning analytics and inclusive approaches to collaborative active learning.

"Visioning activities, like those led by the CCC, have the power to transform the future of not just our field, but of society at large," said Dr. Maher. "At this stage of my career, it's my goal to impact computing research and policy more broadly through focusing my efforts on leading community-driven strategic thinking. I feel very fortunate to have been selected for this role to do just that."

An Experienced Leader in a Variety of Research Settings

In addition to serving as a professor at UNC Charlotte, Dr. Maher has also been the Director of the Center for Education Innovation and Research, a college-wide center that leads organizational and pedagogical change to broaden participation in computing. She was also the Co-Director of the Human-Centered Computing Lab, the research of which covers a broad range of areas related to human-centered computing. She was a founding Co-Director of the Center for Humane AI Studies bringing together perspectives from Computing, Philosophy, and Sociology.

Prior to her time at UNC Charlotte, Dr. Maher served as the Deputy Director of the Information and Intelligent Systems Division at NSF, as well as a Program Director in the Computer and Information Science and Engineering (CISE) Directorate. In her four years there, she established the CreativeIT program and helped manage the Human-Centered Computing, Cyber-Enabled Discovery and Innovation, Design Science, and Social-Computational Systems programs.

Dr. Maher earned her PhD in civil engineering from Carnegie Mellon University and a Bachelor of Science in engineering from Columbia University.

"The key to CCC's future will be in broadening our engagement across the breadth of the computing research community," said Dan Lopresti, professor of computer science and engineering at Lehigh University, CRA Board Member, and CCC Chair. "Mary Lou's mix of experience in a variety of research settings, as well as her impressive track record of successful collaborations, make her the perfect choice for this important role."

The CCC's Foundation of Success

Maher assumes her new role after the long-time director, Ann Schwartz, stepped away to pursue a new opportunity at The White House, where she now serves as the inaugural program manager for the Pilot Office of the National Strategic Computing Reserve (NSCR).

In her time with the CCC, Dr. Schwartz led several impactful initiatives with the computing research community, including the development of the AI Roadmap, publishing Quadrennial Papers intended to highlight key research areas and needs for the new administration, and launching the CIFellows program.

Mary Lou Maher *(continued)*

"The mission of the CCC and the work it does in support of the community has never been more important than it is in this critical moment," said Nadya Bliss, Executive Director of the Global Security Initiative at Arizona State University and CCC Vice Chair. "Mary Lou will be a tremendous partner in engaging the community to deliver high-impact work that rises to meet national and global challenges."

Liz Bradley, a professor in the Department of Computer Science at the University of Colorado and a former council member and Chair, served as interim director from the time of Schwartz's departure to January 1.

CCC Releases the 5 Year Update to the Next Steps in Quantum Computing Workshop Report

By Catherine Gill, Program Associate, CCC

Quantum computing has captured the public's attention due to its incredible theoretical applications, but the intensely complicated underlying physics make it difficult for even computing experts in other fields to understand. Computing researchers in other disciplines, however, have valuable knowledge to aid in the development of quantum computers. "To increase momentum in quantum system progress, we must lower the barrier to entry", says Kaitlin N. Smith, Assistant Professor of Computer Science at Northwestern University. "Scientists shouldn't be required to have an expert-level understanding of quantum mechanics to contribute their skill set to quantum computing". Though quantum computers operate very differently from classical computers, some of the approaches used in classical computing, such as architectural and benchmarking techniques, can be modified and applied to quantum systems.

The 5 Year Update to the Next Steps in Quantum Computing workshop was born out of this need to convene experts within and outside of the Quantum Computing world. This workshop, led by Kenneth Brown (Duke University), Fred Chong (University of Chicago), and Kaitlin N. Smith (Northwestern University and Infleqtion), with support from previous CCC Council member Thomas Conte (Georgia Tech), was held in May of 2022 in Washington, D.C. The workshop report, among many other recommendations, emphasizes the need for more quantum workshops and projects that allow collaboration between disciplines. "In particular", says Fred Chong, Professor of Computer Science at the University of Chicago, "it is our hope that a vertically-integrated, interdisciplinary approach will accelerate progress towards practical quantum systems."

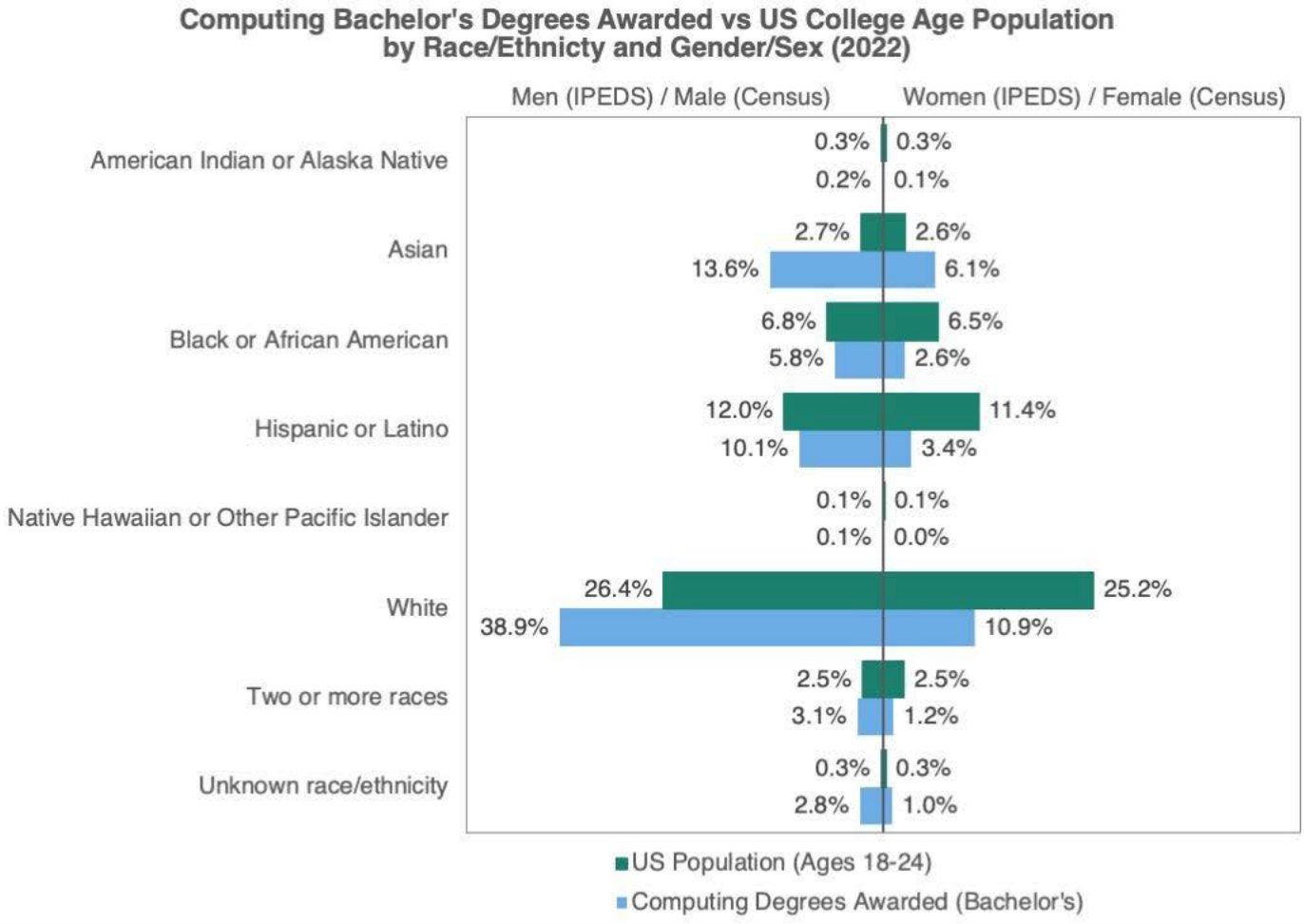
Quantum Computing is in the Noisy Intermediate Scale Quantum (NISQ) era currently, meaning that Quantum Computers are still prone to high error rates and are able to maintain few logical qubits. The work being done in Quantum Error Correction, however, is enabling Quantum Computing to transition towards a Fault-tolerant future. "There has been remarkable progress in quantum computer hardware in the last five years", says Kenneth Brown, Professor of Engineering at Duke University, "but challenges remain in terms of reducing errors and scaling systems. We thought it was critical to bring together experts in quantum computing, computer architecture, and systems engineering to plan for the next ten years".

To learn about the other critical quantum topics that came up during the workshop, please read the Full Report here.

Infographic: Computing Bachelor's Degrees Awarded vs US College Age Population by Race/Ethnicity and Gender/Sex (2022)

CERP
Computing Research Association
Evaluation

By Burçin Campbell, Director of Data and Evaluation



Source:
- Computing Degrees Awarded - IPEDS, aggregated data downloaded from https://bpcnet.org/statistics.
- US College Age Population – Census.gov, bookmark for data table accessible at https://bit.ly/census_2022_raceEthnicityGender

Notes: Percentages indicate percentage of total US population ages 18-24 in 2022 and computing bachelor's degrees awarded in 2022, respectively.

Understanding the patterns of representation of various groups in any given context is important for identifying potential problem areas that may impact people with particular backgrounds or identities to participate in that context. This infographic focuses on the demographic patterns of representation in the field of computing higher education. Specifically, the bar graph shows computing bachelor's degrees awarded in the US higher education Institutions and college age US population (ages 18-24) broken down by gender/sex and race/ethnicity.

Infographic *(continued)*

Before reviewing the results, it is important to note that US Census and IPEDS, the two data sources used in this analysis, report demographics slightly differently in that the Census includes an indicator for sex (male/female) while IPEDS includes an indicator for gender (men/women). Therefore, this graphic is relying on an approximate comparison. Further, IPEDS data does not identify race/ethnicity for any degrees awarded to non-US citizen/non- US resident students. For the purposes of this graphic, these degrees were excluded from analysis.

With that caveat in mind, there are two main observations from this graphic. First, overall, there is an underrepresentation of women in computing higher education regardless of race/ethnicity. While the US college age population is evenly distributed between individuals who identify as male and those who identify as female for all racial/ethnic groups, the computing degrees are less likely to be awarded to women in all racial/ethnic groups. Second, there are significant differences in various groups' representation in the college age population and in computing higher education.

Largest differences for groups which have a higher percentage in the computing higher education compared to the college age US population exist for Asian men, Asian women, and White men. On the other hand, largest differences for groups which have lower percentage of representation in computing higher education compared to the college age US population exist for Black and African American women, Hispanic and Latino women, and White women.

Future work will include examination of data patterns over time and comparisons with total bachelor's degrees awarded in all fields of study. You can find institution level statistics and access more data on the BPCnet.org Statistics and Data Hub.

Notes:

- All percentages were compared using two-proportion comparison tests between computing higher education and college age US population and all differences were statistically significant at 0.05 significance level (p-value < 0.05).
- The effect sizes were also calculated based an h-value and differences with highest effect sizes were highlighted in the text.

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 Number (CNS 1940460). 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.

Exploring the Restorative Potential of Nature Through Virtual Reality

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 Rachel Masters, who received an Honorable Mention in the 2023 CRA Outstanding Undergraduate Researchers award program. Rachel finished her undergraduate degree at Colorado State University (CSU) and is now pursuing a PhD in Computer Science there.

Rachel Masters, B.S. in Computer Science, Colorado State University

What brought you to computing research?

I joined a virtual reality (VR) hackathon in my freshman year at Colorado State University. My team worked on a music immersion application for Alzheimer's patients. Several people important to me have suffered from the disease, so it was inspiring to see the potential of VR in helping people. Motivated to contribute, I talked to Dr. Albert Lionelle, my lead TA instructor, who suggested I contact Dr. Francisco Ortega, a VR researcher at my university. Dr. Ortega advised me to apply for a research experience for undergraduates (REU) at the University of Minnesota with Dr. Victoria Interrante, where I formally began my VR research.

What challenges did you encounter when you started your research?

The biggest challenge was that this was the first time I had done research. The REU experience required me to lead a new project, so I had to teach myself many aspects of research. This took some time, but it helped me familiarize myself with the research process and field.

Can you tell us about your project?

My goal was to explore the impact of biomass, which refers to organic living material like plants, in VR environments for stress reduction and mental resource restoration. Recognizing the well-established connection between nature and physical/mental well-being, I aimed to address the limitations of access to natural settings, particularly for individuals in hospitals or nursing homes, by investigating VR as an alternative. The challenge was in designing VR nature environments that could maximize restorative benefits to investigate the impact of biomass on stress reduction in virtual reality (VR) environments. Our study initially induced stress in the participants, who were then exposed to two distinct virtual reality (VR) environments to assess their impact on the induced stress: a plant-free canyon and a lush forest with living plants. The subsequent measurement aimed to observe the role of biomass, in eliciting restorative effects. Although the forest environment demonstrated superior results compared to the canyon, the differences were not statistically significant. Despite this, the overall findings from this preliminary study on VR green spaces suggest promising potential for their role in stress reduction and mental resource restoration. Findings from this work were published at the ACM Symposium on Applied Perception (SAP'22).

How do you balance research with other interests?

I enjoy learning about various subjects, making defining my idea of balance challenging. I see research as just one of my diverse interests and curiosities. My other interests, including photography and my involvement in outdoor activities such as camping, fishing, and hiking, have proven beneficial to my research and have not only been a source of personal enjoyment but have also served as inspiration for designing virtual environments in my research. The hands-on experiences in nature have facilitated a deeper understanding of environmental science concepts, as I can relate to and comprehend these concepts through my own lived

experiences. In essence, my approach to balance is embracing a multitude of interests and constantly seeking out new experiences to break away from routine. This not only rejuvenates my perspective but also brings new skills and insights to my research.

How did your identity affect your research experience?

My identity as a practicing Christian is a significant motivation for my actions and passion. The virtue of selflessness, particularly caring for strangers, has always inspired me. Despite facing challenges, my grandparents served as profound examples of selflessness and commitment to community service throughout my life. This has driven me in two ways: first, to lead a life dedicated to helping others and using my talents for positive change, and second, to find ways to assist not only my grandparents but all those experiencing stress and in need of support. As someone who is ambitious but is also dealing with chronic pain from spinal issues, I understand the importance of finding relief during challenging times.

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

Learning new things can be daunting, especially when faced with dense material or unfamiliar terminology, creating a significant barrier for many individuals in science, particularly undergraduates in the early stages of their education. My advice is that if the subject interests you, dive into it even if you are afraid of failing. Expect setbacks because everyone encounters challenges when delving into new knowledge, and learning from these failures is the key to eventual success. When confronted with a formidable task, break it down into smaller, manageable parts using familiar concepts. Despite falling short of my ambitious goals at times, I find myself more impressed by the progress I've made than disappointed by the problems encountered, which further motivates me to persevere and try again.

Navigating the Landscape of Healthcare Data Sharing: Insights from CRA-I Roundtable

CRA-I
Computing Research Association
Industry

By Helen V. Wright, Manager, CRA-I

In a recent virtual roundtable discussion hosted by the Computing Research Association - Industry (CRA-I), industry experts and professionals convened to delve into the complexities and opportunities surrounding the sharing of healthcare data. The event, moderated by Divesh Srivastava from AT&T, featured insightful contributions from Margarita Gonzalez (Georgia Tech Research Institute), John Kansky (Indiana Health Information Exchange), and Tammy Toscos (Parkview Health). See the full recording here.

The conversation highlighted the transformative potential of healthcare data sharing in today's rapidly evolving healthcare landscape. As a force with the capacity to revolutionize patient care, research, and policy-making, it has become a crucial endeavor. However, the discussion acknowledged the myriad challenges, ranging from privacy concerns to interoperability issues.

Margarita provided valuable insights into the multifaceted nature of sharing healthcare data, emphasizing its role in military healthcare resilience and readiness. She touched upon different dimensions of wellness and health, including key aspects such as psychological resilience, mental wellness, and their connection to overall health. John Kansky shed light on the evolution of local health information infrastructure, emphasizing the importance of data quality. He highlighted the standards in place and the need

Healthcare Data Sharing *(continued)*

for data to conform to these standards, ultimately focusing on supporting patient treatment. Tammy Toscos, situated between the realms of Margarita and John, discussed her lab's work with public health data and qualitative data integration. While utilizing electronic health record data for research and support systems, her team emphasizes social science and human-centered design in their core research areas.

As we navigate the intricate landscape of healthcare data sharing, the insights from this CRA-I roundtable can serve to guide stakeholders from academia, industry, government, and medical practice towards collaborative solutions. The challenges are acknowledged, but so too are the transformative possibilities that lie ahead in reshaping the future of patient care, research, and policy-making. It is clear that there is more to discuss as a community in this space. CRA-I will be hosting an in-person workshop in this area in 2024. Please stay tuned and **reach out if you have any questions, comments, or interest in participating in the in-person workshop**.

Expanding Career Pipelines by Unhiding the Hidden Curriculum of University Computing Majors

by Philip Guo, Associate Professor of Cognitive Science, UC San Diego

Everyone who attends college learns a formal curriculum by taking classes, but there is also a *hidden curriculum* just beneath the surface of their college experience. This hidden curriculum consists of the "unspoken lessons, norms, values, and perspectives that impact learning and academic performance. [It is] often implied and not explicitly taught, which poses various accessibility and equity barriers." [1] As an example, consider Alicia, a student from a low-income family who is the first in her family to attend college. Even though she earns good grades in her classes, she notices that her classmates from more well-resourced backgrounds seem to have a much easier time getting ahead in their careers. They appear to have access to some secret "insider knowledge" and are somehow able to find more opportunities, network more fluently, obtain prestigious internships, and ultimately get good jobs right after graduation. In contrast, she does not know how to even start approaching senior students, professors, and alumni to discover such hidden opportunities. There are professionally-oriented clubs and student mentoring organizations on campus, but she lacks the self-confidence to join them since the students there seem too experienced and intimidating. Alicia feels frustrated since she excels in the formal curriculum by earning good grades in her classes, yet she struggles to find professional and career opportunities because she doesn't know how to access the hidden curriculum that many of her peers seem to have learned *outside* of classes.

There are millions of students just like Alicia attending universities around the world. For instance, amongst our 33,000 undergraduates here at UC San Diego, 24% are from underrepresented ethnic groups, 38% are first-generation college students, and 33% transferred in from community colleges. Research shows that these students are more likely to face challenges in unlocking career opportunities than classmates who come from more privileged backgrounds, due in part to them not knowing as much about the hidden curriculum. This harms computing career pipelines because these students may not have as equitable access to the most desirable jobs after graduation. Thus, over the past five years my students and I have developed a two-pronged approach to addressing this inequity: 1) creating a student-led mentoring guide to uncover aspects of the hidden curriculum, 2) explicitly teaching other aspects in formal computing courses. This article summarizes both of these initiatives.

Unhiding the Hidden Curriculum *(continued)*

A Student-Led Guide to the Hidden Curriculum of Computing Majors

In an ongoing project created by an undergraduate student, Kendall Nakai, we took a unique student-centered approach to uncovering the hidden curriculum of computing-related majors to help students make the most of their college experience and position themselves better for the job market. We noticed that existing mentoring resources are often created by university staff such as department advisors or career center employees, but these official school resources lacked a lot of the subtle unwritten insights that students needed. Kendall's intuition was that a student-created guide could supplement these official resources and provide information that they lacked. To test this intuition, she interviewed dozens of students and recent alumni to compile their collective wisdom into a 50-page online guide to the hidden curriculum of our HCI (Human-Computer Interaction) and Design specialization at UC San Diego.

This guide contains advice on how to navigate courses, how to talk to professors, how to approach peers for help, how to create a project portfolio to prepare for jobs, how to look for internships, and eventually how to get full-time jobs in the technology industry. To give a sense of what it covers, here is an excerpt from its table of contents:

What are Hackathons and Designathons? 25
I have to apply to attend a hackathon... am I qualified? 26
How do I create or redesign features of apps or websites I use? 26
How do I conduct a personal research project? 27

How do I find an internship? 28
I'm not a junior yet, so why should I apply for internships? 28
Okay I'm interested in applying, what should I look at? 28
When do I apply? 29
I'm a junior and I'm looking for an internship or a senior looking for a job...what should I do? 29
Every internship or job description says that I need to have skills I haven't learned yet...can I still apply? 29
I've met people that have worked at big "brand name" companies...should I try to work there too? 29
Recruiters might not know that Cognitive Science as a major applies to the role...what should I put? 30
I can't seem to get any internship interviews...how do I get my application in front of a person? 30
How do I talk to recruiters at career fairs? 31
The chat isn't going so well...the recruiter doesn't seem interested in me or says I'm not eligible for positions...what do I do? 31
How do I remember all the people I've met? 32
Career fairs seem big and scary. Got any tips? 32
I'm not feeling motivated...How do I deal with "ghosting" or rejection? 33

Unhiding the Hidden Curriculum *(continued)*

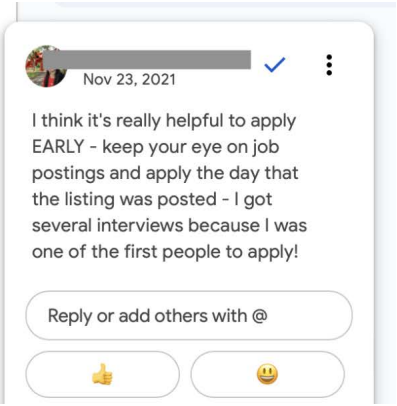
Note how this guide adopts a casual conversational tone as if a peer mentor is talking directly to the reader, in contrast to university resources that are written with an 'official-sounding' authoritative tone. Zooming into individual sections, the guide provides specific guidance for common scenarios that computing students encounter. For instance:

3. APPLY APPLY APPLY – to jobs, internships, part-time or contract positions

Every internship or job description says that I need to have skills I haven't learned yet...can I still apply?
YES! The skills listed are always good **guidelines** to follow or work toward but you don't need to meet every single one.

Usually knowing how to use at least one wireframing/prototyping tool (like Figma, Adobe XD, and Sketch) and having basic web development (HTML, CSS, JavaScript) knowledge will help you. The rest you can somewhat pick up on the job.

💡 If you have concerns, ask the people you talk to advice on what they think of your current skills, resume, portfolio and see what advice they have to advance your skills to what job apps look for.



And since this guide is simply a web-based Google Doc, other students can chime in with comments to help their classmates, as shown in the above screenshot. From time to time, Kendall curates the most insightful comments and integrates them into the text itself.

This guide also provides step-by-step scripts for helping students navigate unfamiliar settings, such as when they first join a research group:

I just started research with a professor, how can I stand out?

Advice	Example
Communicate before being asked to (take initiative)	If every week before the lab meeting, send a summary to the professor or graduate student "I'd like to talk about _____, I made progress in _____, and here are some questions I have about _____." This alone will help you stand out a lot!
Show progress	"I completed X task and started Y task this week. Here is my progress. Before I continue with Y task, I have some clarifying questions..."
Be realistic about the amount of time you can commit	"I can commit 8 hours a week – 2 hours a day 4 days a week except maybe less during midterms. Is this okay?"

Note that students from certain backgrounds (e.g., those with parents who have graduate-level degrees) may already know how to do these things since they grew up with early exposure to these types of professional interactions. However, many college students, especially those from underrepresented groups, did not grow up with this kind of hidden curriculum knowledge such as how to approach authority figures like professors. This guide surfaces such knowledge to help these students overcome some of the psychological barriers to getting started.

Since its release in Fall 2021, this guide has been viewed over 2,700 times by students here at UC San Diego, and professors have also started sharing it in some of their course syllabuses. In addition, students have been passing around links to it online so that it

Unhiding the Hidden Curriculum *(continued)*

has spread via word-of-mouth. Some have personally messaged Kendall to thank her for providing this resource that is helpful even when they cannot find an in-person mentor. Readers have said:

> *"I honestly wish I had come across a resource like this early on in my college career. The 'How do I find an internship' section really hit on a lot of things I had to figure out myself such as when to start applying. Reading through this guide made me feel better about not knowing how the internship application cycle worked until my junior year because it really is something that isn't explicitly taught, but rather something you learn from your parents or from experience."*

> *"I have learned how to connect and talk to the people in my field. In fact, after reading the guide, I messaged many people via LinkedIn and had a call with a current Google software engineer to learn about what he does and what I can do to be prepared."*

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From this project we learned that it is critical for mentoring resources to be written in an authentic student voice in order to make them the most relatable. Our readers appreciated how this guide was written by a peer and not an authority figure, with one responding: *"Reading this guide made me tear up a little. I love the amount of passion, pride, and care that went into making this guide. I really appreciate that and it's breathtaking to see the amount of work that was put into this guide for the benefit of future students."*

Related to above, we also believe that students relate best to a guide written by their own classmates, since some aspects of the hidden curriculum may be specific to a school or even within a particular department. Thus, we envision a future where students at each school write their own hyperlocal guides with content and style that resonate most with their classmates. For more details about the design process and evaluation of this project, check out our ICER 2023 research paper [2].

Explicitly Teaching the Hidden Curriculum in Computing Courses

In parallel with Kendall's undergraduate-led guide, my graduate students and I have also been developing a series of HCI (Human-Computer Interaction) courses that teach not only technical content but also aspects of the hidden curriculum in more detail than what the guide introduces. We embarked on this curriculum design journey five years ago since we noticed that while there are many HCI courses that teach theoretical principles and how they apply in practice via class projects, many students were not able to make the leap from finishing these classes to using their projects as the basis for finding jobs. These classes take students most of the way, but there is still a *last-mile problem*.

The last-mile problem is a term from communications, infrastructure, and logistics design that conveys the difficulty of fully connecting services end-to-end. For instance, a subway station may be located over a mile away from many commuters' homes or offices, so they also need to bring bicycles or skateboards with them to cover that last mile. In the context of project-based computing courses, the last-mile refers to the gap between a finished class project and being able to use it effectively to look for jobs. Many project-based courses provide the raw materials for students to present in their portfolio when job-hunting, but they never teach students how to write up their work in a format that appeals to modern-day employers. Instead, students are left to figure this out by themselves. As a result, even though they have put in all the work to complete a project, many find it hard to

Unhiding the Hidden Curriculum *(continued)*

traverse that vital "last mile" to turn it into a compelling addition to their portfolio that employers value. This gap represents a kind of hidden curriculum since nobody explicitly teaches students how to leverage their class projects to look for jobs.

In my HCI courses, I address this last-mile problem by teaching students how to write up a **design case study** and upload it to a real working portfolio website as their end-of-term deliverable. A case study is a blog-post-like webpage that shows how a student adopted a user-centered design process from the start of a project all the way to the finished product; it explains the analytical reasoning behind all the various design decisions made along the way. Employers have told us that these case studies are the most important part of a student's portfolio when they apply to tech jobs such as UI/UX Designer, Product Designer, or UX Researcher. In addition, I employ a team of undergraduate TAs who provide mentorship by critiquing students' portfolios and resumes, offering insider advice on how to look for internships and jobs, and being there for emotional support and reassurance. Taken together, our pedagogical goal is to surface aspects of the hidden curriculum via both explicit instruction and undergraduate-led peer-to-peer mentorship.

Over the past five years, my graduate students and I have been teaching two large undergraduate courses that embody this philosophy: 1) *Data-driven UX/Product Design* is a course where students work on a team design project that culminates in a new case study that every student writes up on their own portfolio website. That way, as soon as they finish the course they are ready to present that portfolio to employers. My student Sean Kross (who co-developed then taught this class with me) and I wrote up a SIGCSE 2022 paper about this course's pedagogical philosophy [3]. 2) *HCI Portfolio Design Studio* is a course where students get a chance to take their completed projects from prior courses they have taken and write up their results as case studies to put on their portfolio website. In addition, students practice making slide deck presentations for design-related job interviews, refining their LinkedIn profiles, and learning other career development skills. The goal of this course is to bridge that last mile between projects that students completed in prior courses and what is needed to apply for jobs.

Course review comments from students have been encouraging, with some even indicating that they were able to directly use what they produced in these classes to get their first internship or job. Here are a few representative comments:

> *"Dear Future Students, TAKE THIS CLASS! It is hands-down the most practical class I have taken in my three years at [my university]. This is the only class I've taken so far in my three years that might actually help me find a job as it guides you through the process of writing a case study for your portfolio."*

> *"This class [...] stood out to me for how practical the lectures were. In other classes here, I haven't had any professors telling me what the trajectory of an aspiring [HCI] student could be like in addition to going through the different potential paths we could take. I also appreciated the fact that the entire term led up to us creating a case study that would be genuinely useful in our future job-search process."*

Lastly, each year I teach a smaller seminar course called *HCI Technical Systems Research*, which introduces undergraduate students to PhD-level research in the field of HCI. Aside from discussing the technical content of papers, we spend an equal amount of time talking about the behind-the-scenes of how the professional research enterprise works. This includes topics such as grant funding, the peer review publication system, how academic careers are structured (e.g., Ph.D. programs, postdocs, tenure-track professorships), industry versus academic research environments in computing, technology transfer of research into products, and other domain-specific insider information that undergraduates usually do not get access to. Similar to my other classes, my goal is to reveal aspects of the hidden curriculum that students would normally not learn in classes. In this case, I hope to better prepare students to join research labs and apply for Ph.D. programs in the future.

Unhiding the Hidden Curriculum *(continued)*

Note that much of what I teach in these courses is not technical content but is rather implicit 'behind-the-scenes' knowledge. My motivation for introducing this kind of hidden curriculum in formal courses is that it can potentially be the most equitable, since all students can access these courses if they meet the prerequisites. In contrast, if this were not taught in the classroom, then certain groups of students (e.g., those who are well-resourced or better-connected on campus) would disproportionately get more access to such information via their peer groups.

Parting Thoughts

Both Kendall's student-created guide and my HCI courses aim to level the playing field by sharing the sorts of unspoken knowledge that well-resourced students currently have better access to. Some of the career development advice we present may seem "obvious" and "simple" to those who grew up with parents, friends, and older mentors who taught these things to them. But for many students, especially those from underrepresented groups, these insights may not be obvious so that is why it is important to teach them in systematic ways. Looking forward, I believe it is our responsibility as educators to continue finding ways to reveal more aspects of the hidden curriculum to our students.

Acknowledgments

Thanks to Kendall Nakai for leading the hidden curriculum guide project and to Sean Kross, Ian Drosos, and Sam Lau for helping me develop and teach the HCI courses described in this article. This material is partly based upon work supported by the National Science Foundation under Grant No. NSF IIS-1845900 and by the Google exploreCSR program.

About the Author

Philip Guo is an associate professor of Cognitive Science and (by affiliation) Computer Science & Engineering at UC San Diego. His research spans human-computer interaction, data science, programming tools, and online learning. He studies how people learn computer programming and data science, and he builds tools to help people better understand code and data.

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NSF Launches Pilot of NAIRR Program to "Democratize the Future of AI"

By Brian Mosley, Associate Director, Government Affairs

Towards the end of January, the National Science Foundation, in collaboration with several other federal agencies, announced the launch of the National Artificial Intelligence Research Resource (NAIRR) pilot program. The program, which partners with 10 federal agencies and 25 private sector, nonprofit, and philanthropic organizations, will, "provide access to advanced computing, datasets, models, software, training and user support to U.S.-based researchers and educators." The aim of the NAIRR program is to connect, "researchers and educators with the resources needed to support their work," in order to, "power innovative AI research."

The NAIRR program has a long, bipartisan history of support across the government. Originating in the National AI Initiative Act of 2020, which established a task force co-chaired by OSTP and NSF, to create a roadmap for establishing, "a shared research infrastructure that would provide AI researchers and students with significantly expanded access to computational resources, high-quality data, educational tools, and user support." The task force's final report, released a year ago, recommended the establishing of the NAIRR program and has enjoyed support in both chambers of Congress. Launching a pilot of NAIRR is also a major research goal laid out in President Biden's recent executive order on artificial intelligence.

The House version of the National AI Initiative Act of 2020, the majority of which made up the final legislative language, was heavily influenced and informed by the Computing Community Consortium's (CCC) work and their AI roadmap report. CRA endorsed that legislation when it was introduced. The long effort to stand up NAIRR is a major win for the computing research community. CRA will continue to follow events and actions, particularly in Congress, where there are efforts to formally establish NAIRR and provide consistent funding for the program.

House Committee Releases Report to "Reset" Relationship with China; Recommendations on Research Funding, Research Security, and High Skilled Immigration Featured Prominently

By Brian Mosley, Associate Director, Government Affairs

In December, the House Select Committee on the Strategic Competition between the United States and the Chinese Communist Party, commonly referred to as the China Committee, released a bipartisan report aimed at resetting the, "economic and technological competition," between the two countries. The report, titled "Reset, Prevent, Build: A Strategy to Win America's Economic Competition with the Chinese Communist Party," makes nearly 150 recommendations in a wide range of areas, including research funding, research security, and high skilled immigration.

The recommendations are organized into three pillars:

- Pillar I: Reset the Terms of Our Economic Relationship with the PRC (People's Republic of China)
- Pillar II: Stem the Flow of U.S. Capital and Technology Fueling the PRC's Military Modernization and Human Rights Abuses
- Pillar III: Invest in Technological Leadership and Build Collective Economic Resilience in Concert with Allies

House Committee Report *(continued)*

The third pillar is likely of most interest to the US research community; it is covered in pages 34 to 39 of the report. In fact, the first recommendation in that section is:

Fund the National Science Foundation (NSF), National Institute of Standards of Technology (NIST), and the Department of Energy's Office of Science…with a focus on peer-reviewed research.

Also contained in that set of the report's recommendations are calls to ensure that the country remains the world leader in such fields as artificial intelligence, quantum sciences, and biotechnology, as well as several smaller issues for specific technologies (like small modular reactors and electric vehicles). As a specific example, another recommendation is to, "ensure the (US) is the first country to develop a quantum computer capable of breaking modern-day encryption tools and be a global leader in quantum research and technologies," and would task the Departments of Defense and Energy, "to consider all the methods and means necessary to ensure the (US) wins the quantum race."

The report also gets into the topic of research security (pages 33 and 34) and makes several recommendations to, "strengthen US research security and defend against malign talent recruitment." The first recommendation in this section is to build on National Security Presidential Memorandum 33 (NSPM-33) by, "requiring all federal research funding applicants to disclose details about past, present, and pending relations and interest with foreign governments, foreign government controlled entities, or entities located in foreign adversary countries, in the past five years for themselves and any key member of their team." Regular readers of the Policy Blog will recall that NSPM-33 is a presidential order released in the last days of the Trump Administration and directed federal research agencies to develop processes to assess and clear up potential conflict of interests/commitments of researchers who receive federal funds. That memorandum, and the guidance that federal agencies have released to implement it, have made clear that it is not meant to criminalize past, legal conduct by researchers. This recommendation by the China Committee to expand the requirements to cover the previous five years of a researcher's work is concerning; however, if implemented, it could also handle a timeframe already covered by research agency rules and regulations.

The report makes further recommendations in this space, such as requiring US research institutions to, "obtain an export control license if they intend to use any export-controlled item that has a clear and distinct national security nexus," when collaborating with any foreign adversary entity; and strengthen and enforce current rules for US universities to disclose and track gifts from foreign donors. Much of this has been covered in recent legislation, such as the Chips and Science Act.

The report also makes several recommendations in the area of high skilled immigration (pages 39 to 41), much with a focus of working with key allies for talent recruitment. For example, the report recommends establishing, "a work authorization program for foreign nationals," from countries in key alliances (such as NATO and the Five Eyes (FVEY)), who have a background in, "critical and emerging technology." In a different area, the report also recommends expanding visa security screening procedures to prevent foreign adversaries from exploiting the country's open research system to, "illicitly acquire U.S. technology and technical knowledge." And it is further recommended that, "the Office of the Director of National Intelligence should be required to participate in visa screening of high-risk researchers."

While the China Committee does not have the power to introduce legislation, this report likely acts as a barometer of the temperature in Congress with how the United States should interact with China. We have been expecting the committee to get into the areas of research, research security, and related matters, and this report could be a sign that they plan to shift into these areas in the near future. It is also worth keeping in mind that this report will influence, to some extent, how federal agencies, particularly the research agencies, handle interactions with the Chinese state going forward. CRA will continue to monitor this ever-evolving situation, and the actions of this House Select Committee, to represent the computing research community in any policy discussions that could impact the computing research community.

New Faces at CRA

By Elora Daniels, Communications Associate

The Computing Research Association (CRA) is thrilled to welcome three exceptional professionals to our expanding team. With a diverse range of skills, experiences, and innovative perspectives, our new team members each uniquely align with CRA's mission to advance computing research and change the world.

Join us in welcoming Barrington Davis, Richard Elam II, and Tori Madril to CRA!

Barrington Davis - Program Associate, CRA-E

Barrington Davis serves as a Program Associate for CRA-E. He came to CRA from PricewaterhouseCoopers, where he worked as a Technical Consultant, working with multiple Fortune 500 clients. Barrington is an analytical professional with hands-on experience providing expert technical guidance and solutions to clients. He excels at analyzing complex technical issues and devising innovative strategies to optimize operations and enhance efficiency.

Barrington is adept at managing projects, leading teams, and delivering high-impact results within deadlines and budgets. He has a knack for implementing cutting-edge technologies to address clients' needs and challenges. Barrington leverages his strong communication and presentation skills to enable effective collaboration with technical and non-technical stakeholders.

In his free time, Barrington likes to volunteer at the SPCA and his local orphanage. Working at the SPCA and an orphanage has been a deeply rewarding experience, allowing him to make a meaningful impact in the lives of both animals and children.

A proud HBCU alumnus, Barrington obtained his B.S. in Information Systems from Howard University, fostering his sense for helping underrepresented communities in the realm of technology.

Richard Elam II - Program Associate, CRA-WP

Richard serves as a Program Associate for CRA-WP, where he actively contributes to programs dedicated to expanding the participation of underrepresented populations in computing. Originally from (west) Philadelphia, PA, Richard brings a diverse background in architecture, design, and UX design. Before joining CRA, he gained valuable experience in various design areas within the DMV region.

Richard, an advocate for diversity, believes in ensuring equal and equitable access to resources. His philosophy aligns with the wisdom of renowned Iraqi Architect Zaha Hadid, who famously said, 'There are 360 degrees, why stick to one.' This perspective encourages embracing a broad outlook, exploring diverse angles, ideas, and possibilities instead of confining oneself to a narrow viewpoint. Richard's approach reflects open-mindedness, creativity, and a willingness to consider a full spectrum of options in decision-making and life.

Tori Madril - Grants Specialist

Tori Madril is CRA's new Grants Specialist. Within the Contracts & Grants Administration team, she is chiefly responsible for subaward management for the CI Fellows grants as well as grants administration for CRA's other funded initiatives. As a recent hire, Tori comes to CRA with several years of experience in the sponsored project administration space, specializing in post-award management.

Outside of work, Tori enjoys spending time playing beach volleyball, baking pastries, curating playlists, and working with film photography.

Interested in joining the CRA team? Keep an eye on our careers page and follow us on LinkedIn to be the first to know about future opportunities!

The entire CRA staff is excited to welcome Barrington, Richard, and Tori to the team!

Professional Opportunities

Barnard College

Assistant Professor in Computer Science

Barnard College invites applications for a tenure-track assistant professor in Computer Science to start July 1, 2024. Barnard faculty are expected to engage in teaching, research, curriculum and program development, undergraduate advising, and mentoring of undergraduate research. The successful hire will further the aims and vision of Barnard's CS program and will embody strategic strengths for this growing program. There is opportunity to collaborate with faculty and students at both Barnard and Columbia.

The position is open to all areas of computer science as well as to multidisciplinary scholars with a significant computational focus. We encourage candidates who take a multidisciplinary approach, whether across multiple subareas of computer science, or with research connections to another discipline. Candidates must have a PhD in Computer Science or a related discipline, and should have a promising research agenda and record of scholarship, as well as a demonstrated commitment to undergraduate teaching, mentoring, and increasing diversity in computer science.

Information and application at *https://cs.barnard.edu/assistant-professor-computer-science-2024*.

Binghamton University

Assistant Professor in Computer Science

The Computer Science Department at Binghamton University (one of the SUNY Centers) invites applications for seven tenure-track positions at the Assistant Professor level with an expected start date of January 1, 2024 or September 1, 2024. We are looking for excellent candidates in broad areas of computer science and information systems research, including but not limited to AI for Social Good, Social Media Analytics, Software Engineering, NLP, Computer Vision, Computer Networks, Distributed Systems, Cloud Computing, Computer Architecture, Information and Systems Security, and Applied Data Science/Analytics.

Further details and application information are available at: *https://www.binghamton.edu/computer-science/about/faculty-openings.html*.

Applications will be reviewed until the positions are filled.

Binghamton University is an Equal Opportunity/Affirmative Action/Disability/Veterans Employer.

Binghamton University

Department of Computer Science

Lecturer

The Department of Computer Science, located within the Thomas J. Watson College of Engineering at Binghamton University invites applications for a full-time lecturer appointment to contribute to the newly established Information Systems program. The successful candidate will teach required and elective graduate courses in the Information Systems program in both laboratory and lecture settings. Courses will focus on Applied Data Science/Analytics, Cybersecurity, and Web-Based Information Systems.

Binghamton University is one of four research universities in the State University of New York System and an R1 research institute. The Computer Science Department has well established computer science Ph.D. and M.S. programs, an accredited B.S. program, and an M.S. program in Information Systems.

Applicants with a Ph.D. degree in Information Systems, Computer Science, or a related field by appointment date, are strongly preferred. Applicants with a master's degree, along with significant industrial experience in Information Systems, Computer Science, or a closely related field, with additional professional certifications, will also be considered. Applicants must demonstrate the ability to teach effectively.

Apply here: *http://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=169222*

Boston University

Lecturer

The Department of Computer Science invites applications for a non-tenure track full-time lecturer position beginning in Fall 2024. Qualifications required of all applicants include a Ph.D. (or at

least a Master's) degree in Computer Science or a related discipline, and a commitment to teaching excellence. The position requires teaching foundational courses in computer science, mainly at the undergraduate level, in areas such as programming, computer systems, algorithms and data structures, software engineering, data science, and security.

The Department consists of a diverse group of 36 tenured and tenure-track faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, graphics, image and video computing, machine learning, natural language processing, networking, distributed systems, operating systems, programming languages, formal methods, real-time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department collaborate closely with faculty across the university including mathematics and statistics, computer engineering, mechanical engineering, biology, earth and environment, economics, law, medicine, among others. Candidates are encouraged to demonstrate throughout their application their attention to diversity and inclusion as these topics relate to teaching and engagement within the academic environment. Review of applications will begin immediately and continue on a rolling basis. Additional information about the Department is available at *http://www.bu.edu/cs*. Qualified applicants should apply at *https://academicjobsonline.org/ajo/jobs/2681*

Review of applications will begin on February 1, 2024.

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

Boston University

Tenured Associate Professor and tenure-track Assistant Professor positions

The Faculty of Computing & Data Sciences (CDS) at Boston University (BU) invites applications for a tenured Associate Professor and two tenure-track Assistant Professor positions. Qualifications required of all applicants include a PhD in any of the disciplines that relate to computing and data sciences; a strong record of research; a demonstrated capacity for collaboration; and a commitment to innovation in teaching at the undergraduate and graduate levels.

CDS is a university-wide, degree-granting academic unit that augments and complements the traditional cognate disciplines in computing and data science by laying the foundation for innovation-driven, civic-minded computing to maximize the real-world impact of its research, curricular, and co-curricular programs. All candidates pursuing basic or use-inspired research related to computing and data sciences will be considered. Candidates from underrepresented groups and candidates working in one or more of the following broad areas of research are especially encouraged to apply.

1. Research in computational systems and software infrastructures for data science, including but not limited to data engineering, systems for large-scale analytics, and cloud data systems.

2. Research that is inspired by and explores connections between computation and the natural sciences, including but not limited to astronomy, biology, chemistry, ecology and evolution, neuroscience, physics, or earth and environment.

3. Research that is inspired by and explores connections with social sciences, economics, and the humanities, including but not limited to algorithmic

fairness, data markets, emerging media communications, human-computer interaction, or mechanism design.

Candidates whose research also involves machine learning and AI are encouraged to apply both to this solicitation and to Boston University's cluster hiring initiative in AI.

Supporting its undergraduate and PhD programs, CDS has 16 core faculty members and 31 secondary and affiliated faculty members who are drawn from across the landscape of disciplines at BU. CDS is housed in the top five floors of an iconic zero-carbon 19-story building with a convention-bending design and state of the art classrooms, labs, and collaboration spaces. Additional information is available at: https://www.bu.edu/cds.

BU expects excellence in teaching and in research, and is committed to building a culturally, racially, and ethnically diverse scholarly community, which is essential to its mission. BU is an AAU institution with a rich tradition of inclusion and social justice. We are proud of our record, including being the first American university to award a PhD to a woman and the university from which Martin Luther King Jr. received his PhD. We are dedicated to increasing participation of all talented students, especially women and other groups who are underrepresented in Computing and Data Sciences.

Qualified faculty candidates are invited to submit their applications through the web portal at *https://academicjobsonline.org/ajo/jobs/25801*. We encourage candidates to apply early.

Application review will begin on November 15 and will continue until the positions have been filled.

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

BU conducts a background check on all final candidates for certain faculty and staff positions. The background check includes contacting the final candidate's current and previous employer(s) to ask whether, in the last seven years, there has been a substantiated finding of misconduct violating that employer's applicable sexual misconduct policies. To implement this process, the University requires a final candidate to complete and sign the form entitled "Authorization to Release Information" after execution of an offer letter.

Boston University

Tenure-track AI Hiring Initiative

Boston University (BU) invites applications for eight tenure-track faculty positions as part of a 3-year cluster hiring initiative in Artificial Intelligence (AI). This university-wide initiative, led by the Faculty of Computing & Data Sciences (CDS) in partnership with six schools and colleges at BU (Arts & Sciences, Business, Communication, Education, Engineering, and Law) aims to recruit a cadre of scholars working on foundational, methodological, and use-inspired dimensions of AI to be appointed in academic units spanning the disciplines of Computer Science, Philosophy, Mathematics & Statistics, Electrical & Computer Engineering, Education, Emerging Media Studies, Information Systems, and Law.

Founded in 2019 and housed in an iconic 19-story building, CDS is a university-wide academic unit created to connect BU's 17 schools and colleges through the common language of computation and data and to lay the foundation for innovation-driven, civic-minded computing, data science, and AI.

All candidates pursuing basic or applied research in data science, machine learning, and AI will be considered. Candidates from underrepresented groups and candidates working in one or more of the following dimensions of AI are encouraged to apply:

(1) Foundations. Foundational research in the theories that enable the conceptualization, development, evaluation, and application of AI, including the exploration of connections with topics in areas such as philosophy, cognition, logic, algorithms, mathematics, statistics, biology, and physics.

(2) Methodologies. Supervised, unsupervised, and reinforcement machine learning methods and platform of broad applicability, including deep neural networks, federated learning, scientific machine learning, natural language processing, large language models, and multimodal learning.

(3) Use-Inspired. AI research inspired by or tackling problems in areas beyond computing, including human-centered socio-technical systems, behavioral neuroscience, education, epistemology, communication, media, business, economics, ethics, law, public policy, regulatory compliance, and future of work.

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

Qualifications required of all applicants include a PhD or equivalent degree; a strong record of research; a demonstrated capacity for cross-disciplinary collaboration; and a commitment to innovative teaching.

Qualified faculty candidates are invited to submit their application materials through the search web portal at *https://academicjobsonline.org/ajo/jobs/25744* indicating which of the academic units participating in this cluster hiring initiative they would like to be considered for.

Review of applications will start on November 1, 2023 and will continue on a rolling basis until April 15, 2024.

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

BU conducts a background check on all final candidates for certain faculty and staff positions. The background check includes contacting the final candidate's current and previous employer(s) to ask whether, in the last seven years, there has been a substantiated finding of misconduct violating that employer's applicable sexual misconduct policies. To implement this process, the University requires a final candidate to complete and sign the form entitled "Authorization to Release Information" after execution of an offer letter.

Bowdoin College

Visiting Assistant Professor of Computer Science

The Computer Science Department at Bowdoin College seeks a full-time, benefits-eligible, visiting assistant professor beginning July 1, 2024. Possible second year after review. Open to all areas of computer science. Two courses per semester.

Review of applications begins January 22,2024.

See full description and apply at *https://careers.bowdoin.edu*.

Bowdoin College complies with applicable provisions of federal and state laws that prohibit unlawful discrimination in employment, admission, or access to its educational or extracurricular programs, activities, or facilities. Visit our website: *http://www.bowdoin.edu* for more information.

Carnegie Mellon University

Associate Director and Director of Academic Affairs

Carnegie Mellon University is seeking a leader to serve as the Associate Director and Director of Academic Affairs in the Information Networking Institute. Based in CMU's main campus in Pittsburgh, PA, the position will work closely with the INI director and oversee academic affairs, including academic programs, curriculum development, student advising, program assessments and student surveys, and new initiatives in collaboration with the INI director.

The INI offers graduate degree programs in information networking, information security, mobile and IoT engineering, and artificial intelligence engineering that are taught at CMU's Pittsburgh and Silicon Valley campuses.

CMU is an equal opportunity employer and is committed to increasing the diversity of its community on a range of intellectual and cultural dimensions.

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.

To Apply

The full position profile is available on the Isaacson, Miller website at: *https://www.imsearch.com/open-searches/carnegie-mellon-university-college-engineering-information-networking-institute*. Nominations, inquiries, and applications can also be submitted through the website at: *https://www.imsearch.com/open-searches/carnegie-mellon-university-college-engineering-information-networking-institute*. Carnegie Mellon University has retained Isaacson, Miller, a national executive search firm, to assist in this search.

Case Western Reserve University

Faculty Positions in Computer and Data Sciences

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

The tenure track search prioritizes Assistant and Associate Professor candidates in Artificial Intelligence, Machine Learning, Data Science, Cybersecurity, and related areas. Candidates with collaborative research programs in applied areas of Computer and Data Sciences are encouraged to apply. The non-tenure track search prioritizes candidates with a strong interest in teaching and student advising. However, we will consider exceptional candidates for both tenure and non-tenure track positions at all ranks and in all areas of Computer and Data Sciences.

The Department of Computer and Data Sciences was formed in 2019 out of the Department of Electrical Engineering and Computer Science, with the vision that computing and data sciences will play a central role in interdisciplinary research and education throughout the university.

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

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

Clemson University

Multiple Faculty Positions Available in the School of Computing

The School of Computing at Clemson University invites applications for Assistant Professor and Lecturer positions to start in Fall 2024. We seek candidates who will enhance and complement our current research and teaching strengths, with particular emphasis in software engineering, systems and networking, natural language processing / LLMs, visual computing, AI, and data science.

Please visit the School of Computing website for a full list of openings and application instructions.

School of Computing: *www.clemson.edu/cecas/departments/computing*

College of the Holy Cross

Tenure-Track Position in Computer Science at College of the Holy Cross

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 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/139014*. 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 February 1, 2024 and continue until the position has been filled. Direct questions to Professor Laurie King, *lking@holycross.edu*.

DePaul University

Multiple Tenure-line Faculty Positions in Computing

The School of Computing at DePaul University invites applications for multiple tenure-track positions at the level of assistant or associate professor. We are particularly interested in candidates in core AI (e.g., AI foundation models, machine learning, natural language processing, responsible AI), cybersecurity (e.g., forensics, cloud security, usable security, human-centered cybersecurity), information systems (e.g., process modeling, enterprise cloud computing, BI systems), computer systems (e.g., cloud computing, virtualization, data-intensive systems), and software engineering: (e.g., software design and architecture, quality assurance and testing, software safety and security, agile and DevOps methodologies).

The School of Computing includes over 74 full-time faculty and more than 3,600 undergraduate and graduate students. We offer a PhD program, 12 master's degrees, and 9 bachelor's degrees. The School of Computing is committed to providing a flexible and supportive environment for its faculty, promoting a rewarding academic career with a balance between teaching and research. Located in the heart of Chicago's vibrant downtown, it offers vast opportunities to forge relationships with industry, national laboratories, universities, and other organizations in the Chicago area.

The School of Computing has several centers of excellence, including Big Data, Cloud Infrastructure, and High-Performance Computing; Visual Computing, Medical Informatics, and Bioinformatics; Web Intelligence and Recommender Systems; Computing Education; Interactive Machine Learning; Cybersecurity and Adversarial Machine Learning; Computational Geometry and Topology; Next Generation Networks; Rehabilitation Robotics; and Semantics. Over the last decade, the school faculty have secured more than $13.4M in NSF funding and consistently publish in selective conferences. The culture within the school emphasizes high-impact and high-quality research, rather than placing pressure on faculty to secure external funding or publish many papers. Nonetheless, the university provides extensive support for external funding, as well as a robust internal research grants program, including PhD stipends, graduate assistantships and course releases.

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

Qualifications

Applicants should have a PhD degree in Computer Science, Information Systems, Computer or Electrical Engineering, or a related field.

Application Instructions

Apply at *https://apply.interfolio.com/135229*

Review of applications will begin on November 5, 2023 and continue until the positions are filled.

The application must include: a curriculum vitae; at least three letters of recommendation; a research statement, highlighting both current and future directions of research; a teaching statement; and a diversity statement, addressing the candidate's values, experiences and future plans concerning diversity, equity, and inclusion.

For more information, contact James Riely (*jriely@depaul.edu*).

Professional Opportunities

DePaul University

Non-Tenure Track Faculty position in Computer Science

The School of Computing at DePaul University invites applications for a full-time non-tenure-track faculty position in Computer Science. The faculty appointment is with full benefits and renewable contingent upon satisfactory performance.

We seek candidates with a commitment to high-quality teaching. The candidate will have additional responsibilities including curriculum development and other service to the School.

The School of Computing includes over 74 full-time faculty and more than 3,600 undergraduate and graduate students. We offer a PhD program, 12 master's degrees, and 9 bachelor's degrees. The School of Computing is committed to providing a flexible and supportive environment for its faculty, promoting a rewarding academic career with a balance between teaching and research. Located in the heart of Chicago's vibrant downtown, it offers vast opportunities to forge relationships with industry, national laboratories, universities, and other organizations in the Chicago area.

The School of Computing has many active research groups and the university supports research via a robust internal research grants program.

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

Required Qualifications:

Applicants should have, at a minimum, an MS in Computer Science or related discipline with 5+ years of professional experience in the field.

Application Instructions:

Apply at *https://apply.interfolio.com/127341*

Review of applications will begin on November 5, 2023 and continue until the positions are filled.

The application must include: a curriculum vitae; at least three letters of recommendation; a teaching statement; and a diversity statement, addressing the candidate's values, experiences and future plans concerning diversity, equity, and inclusion.

For more information, contact James Riely (*jriely@depaul.edu*).

Drexel University

Assistant/Associate Teaching Professor

Drexel University Department of Computer Science invites applications for full-time teaching faculty positions in all areas of Computer Science with an emphasis on Computer Science Education, Theory, Algorithms, System Architecture, and Introductory Programming.

Candidates for the position should have a master's degree or higher in Computer Science or related field; relevant industry experience is also desirable. Candidates will be expected to teach courses in their specialty in addition to introductory courses and courses in the core curriculum. Excellence in teaching and teaching innovation and dedication to working with students is essential. Interest in course and curriculum development and online teaching is desired.

Please apply using the following link: *http://careers.drexel.edu/cw/en-us/job/502406?lApplicationSubSourceID=*

Emmanuel College

Assistant Professor of Computer Science

The School of Business and Management at Emmanuel College invites candidates to apply for an Assistant Professor of Computer Science. This will be a tenure track position which will require a 3/3 course load, supporting the school's new Computer Science major. The Assistant Professor will also serve as an academic advisor to Computer Science and other School of Business and Management students. The position also requires engaging in service to the department and the larger college community through committee work, event planning and other student-focused activities. The Assistant Professor will also engage in productive scholarship activities, ideally creating

opportunities to involve students in the research process; and continue to develop and enhance the department's new Computer Science major and IDDS minor programs which will include curricular development contributions.

Candidates must have A PhD in Computer Science or a related field along with relevant teaching experience at the undergraduate level and evidence of teaching effectiveness. ABD candidates are welcome to apply. Candidates will be expected to show a willingness to embed issues of ethics and social responsibility into their courses and an eagerness to work closely with colleagues and students.

To see the full posting and apply, please use the following URL:*http://emmanuel.interviewexchange.com/jobofferdetails.jsp?JOBID=170563*

Florida International University

Tenure Track/Tenured Open-Rank Professor

Florida International University is a top public university that drives real talent and innovation in Miami and globally. Very high research (R1) activity and high social mobility come together at FIU to uplift and accelerate learner success in a global city by focusing in the areas of environment, health, innovation, and justice. Today, FIU has two campuses and multiple centers. FIU serves a diverse student body of more than 56,000 and 290,000 Panther alumni. U.S. News and World Report places dozens of FIU programs among the best in the nation, including international business at No. 2. Washington Monthly Magazine ranks FIU among the top 20 public universities contributing to the public good.

Tenure Track/Tenured Open-Rank Professor in the Knight Foundation School of Computer and Information Science

The Knight Foundation School of Computing and Information Sciences (KFSCIS) at the Florida International University (FIU) in Miami, Florida, invites applications for multiple tenured and tenure-track faculty positions at all ranks. We welcome applications from candidates with expertise in all areas of Computer Science that complement and enhance our current research strengths. Expertise in interdisciplinary areas are particularly encouraged. Applicants must hold a doctorate degree in Computer Science or related field, and show evidence of engagement in interdisciplinary and collaborative research and a commitment to teaching, diversity and inclusivity.

Candidates for senior positions must have an active and sustainable record in funded research, publications, and professional service, as well as demonstrated leadership in collaborative or interdisciplinary projects. Candidates for junior positions should have a record of research in their early careers with demonstrated abilities to pursue their research agenda. The positions require teaching diverse audiences at both graduate and undergraduate levels, and active participation in departmental and university activities

KFSCIS has six research centers, including federally-funded centers of excellence. The School has 37 tenure-track faculty members, many with NSF and DOE CAREER awards and other national recognitions for their contributions. It has over 4,300 students, including more than 100 Ph.D. students and 360 M.S. students. The School is engaged in on-going and exciting new and expanding programs for research, education, and outreach. The School offers B.A., B.S., M.S., and Ph.D. degrees in Computer Science, B.S. and M.S. degrees in Cybersecurity and Information Technology, and M.S. degrees in Telecommunications and Networking, Data Science and Artificial Intelligence. KFSCIS has several computing clusters with first-rate computing and support infrastructure and enjoys broad and dynamic industry and international partnerships.

Computer Science has been identified as one of the University's strategic growth areas, and KFSCIS has launched many initiatives and degree programs to produce technologically-trained expertise for the burgeoning South Florida Tech Hub. Continuing on our multi-year expansion effort started three years ago to add 20 new tenured and tenure-track faculty members over five years, we aim to strategically add multiple faculty members this year.

KFSCIS is committed to fostering a diverse, equitable, and inclusive academic community. We welcome applications from women, disabled individuals, and underserved communities. Dual-career couples with research that aligns with KFSCIS that are interested in relocating together are encouraged to submit individual applications and mention this in their cover letters.

Professional Opportunities

Qualified candidates are encouraged to apply to Job Opening ID 530837 at *https://facultycareers.fiu.edu/* and attach a cover letter, curriculum vitae, and statements of research and teaching philosophy. Candidates will be requested to provide names and contact information for at least 3 references who will be contacted as determined by the search committee.

We will start to review applications on November 26th, 2023. Applications will be accepted until the positions are filled.

FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Florida International University

Non-tenure track, Open-Rank, Teaching Professor

Florida International University is a top public university that drives real talent and innovation in Miami and globally. Very high research (R1) activity and high social mobility come together at FIU to uplift and accelerate learner success in a global city by focusing in the areas of environment, health, innovation, and justice. Today, FIU has two campuses and multiple centers. FIU serves a diverse student body of more than 56,000 and 290,000 Panther alumni. U.S. News and World Report places dozens of FIU programs among the best in the nation, including international business at No. 2. Washington Monthly Magazine ranks FIU among the top 20 public universities contributing to the public good.

Non-tenure track, Open-Rank, Teaching Professor, Computer and Information Sciences

The Knight Foundation School of Computing and Information Sciences (KFSCIS) is a rapidly growing program of excellence at Florida International University (FIU). The School has 61 faculty members, and over 4,300 students, including 101 Ph.D. students, and more than 370 M.S. students. The School is engaged in on-going and exciting new and expanding programs for research, education, and outreach. The School offers B.A., B.S., M.S., and Ph.D. degrees in Computer Science, B.S. in Cybersecurity and Information Technology, and M.S. degrees in Telecommunications and Networking, Cyber-security, Data Science, and Information Technology. NSF HERD report ranks FIU #38 in R&D research expenditures in computer and information sciences. KF-SCIS has six research centers/clusters with first-class computing and support infrastructure and enjoys broad and dynamic industry and international partnerships. Computer Science has been identified as one of the University's strategic growth areas, launching new expansion plans to educate and train technology talent for the burgeoning South Florida Tech Hub. We anticipate adding several teaching-track faculty positions over the next few years, as we surge to become one of the nation's top Computer Science programs. As such, we invite researchers and educators interested in helping us succeed to join our team and share this exciting journey with us.

The Knight Foundation School of Computing and Information Sciences seeks qualified candidates for multiple non-tenure track, open-rank, teaching faculty positions. The successful candidate will be expected to teach a variety of courses offered by the school. Candidates who employ innovative, evidence-based teaching pedagogies are particularly encouraged to apply. A Master's degree in Computer Science or a related discipline is required and a PhD degree is preferred. While this position is not a tenure track position, it does have a promotion progression: teaching faculty with a terminal degree are eligible for consideration for promotion after five years.

Qualified candidates are encouraged to apply to Job Opening ID 530833 at *https://facultycareers.fiu.edu*/ and attach cover letter, curriculum vitae, statement of teaching philosophy. Candidates will be requested to provide names and contact information for at least three references who will be contacted as determined by the search committee.

Review of applications will begin November 13, 2023, and continue until the position is filled.

FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer all qualified applicants will receive consideration for employment

without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Florida State University

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

The Department of Computer Science at the Florida State University invites applications for two tenure-track Assistant Professor positions to begin in August 2024. These positions are 9-month, full-time, tenure-track, and benefits eligible. We are seeking strong applied and theoretical applicants in the broad areas of Data Science and AI. The focus areas include Data Science, Data Analytics, Machine Learning, Artificial Intelligence, Senor Systems and Networks, Mobile Computing, Databases, High Performance Computing, and Computer Graphics and Visualization. Outstanding applicants in other areas will also be considered.

Screening will begin December 1, 2023 and will continue until the positions are filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names and contact information of three references at: *www.jobs.fsu.edu*, select "Browse Job Openings," and search for job 56189. Questions can be emailed to Prof. Xin Yuan, at *recruitment@cs.fsu.edu*.

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

Florida State University

Tenure-Track Assistant Professor Position in Interdisciplinary Computing

The Department of Computer Science at the Florida State University invites applications for a tenure-track Assistant Professor position to begin in August 2024. The position is 9-month, full-time, tenure-track, and benefits eligible. We are seeking strong applicants in the broad areas of Interdisciplinary Computing. The focus areas include Human Computer Interactions, Computer Vision, Computational Biology and Bioinformatics, High Performance Computing, Machine Learning and AI for Science and Engineering, and Computer Graphics and Visualization, Outstanding applicants in other areas will also be considered.

Screening will begin December 1, 2023 and will continue until the positions are filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names and contact information of three references at: *www.jobs.fsu.edu*, select "Browse Job Openings," and search for job 56190. Questions can be emailed to Prof. Xin Yuan, at *recruitment@cs.fsu.edu*.

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

Florida State University

Open Rank Faculty Position in Computer Systems

The Department of Computer Science at the Florida State University invites applications for an open rank faculty position to begin in August 2024. The position is 9-month, full-time, tenured or tenure-track, and benefits eligible. We are seeking strong systems design and implementation applicants in the broad areas of Computer Systems. The focus areas include Systems Security, Compiler and Programming Languages, Emerging Processor and Memory Architecture, High-Performance Distributed and Cloud Systems, Quantum Computing, and Full-Stack Co-Designed Systems that support Machine Learning and Artificial Intelligence. Outstanding applicants in other areas will also be considered.

Screening will begin December 1, 2023 and will continue until the positions are filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names and contact information of three references at: *www.jobs.fsu.edu*, select "Browse Job Openings," and search for job 56192.

Questions can be emailed to Prof. Xin Yuan, at *recruitment@cs.fsu.edu*.

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

Professional Opportunities

Franklin & Marshall College

Tenure-Track Assistant Professor/ Instructor of Computer Science

Franklin & Marshall College invites applications for a **tenure-track** position as Assistant Professor or Instructor in the Department of Computer Science beginning August 2024. Applicants should possess or be close to completing a Ph.D. in Computer Science, Data Science, or a related field. The successful candidate will teach computer science and data science courses, maintain an active research program engaging undergraduates, and guide future curriculum development. F&M is a selective liberal arts college located in the vibrant town of Lancaster, Pennsylvania, about 80 miles from Philadelphia and Baltimore. We are known for supporting high-achieving students from underserved communities.

Apply by October 31, 2023 for full consideration.

For further details and to apply, see *https://apply.interfolio.com/131030* .

Indiana University-Bloomington

Lecturers in Computer Science

The Luddy School of Informatics, Computing, and Engineering at Indiana University Bloomington (IUB) invites applications for two full-time non-tenure track lecturer positions in the Computer Science Department to begin on August 1, 2024. Teaching experience in one or more of the following areas is preferred: software engineering, game development, mobile app development, computer systems, artificial intelligence and machine learning. 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.

The Luddy School of Informatics, Computing, and Engineering is the first of its kind and among the largest in the country. Its mission is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing, information technology and modern engineering. It includes over 140 faculty and 2800 students. Departments in Luddy School include Computer Science, Information and Library Science, Informatics, and Intelligent Systems Engineering.

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

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

Salary will be commensurate with education and experience. Indiana University provides a comprehensive benefits program for full-time appointed employees. Coverage for core benefit plans such as basic life insurance and a base retirement plan are entirely paid by the University.

A Master's of Science (MS) or higher degree in Computer Science or a related discipline, or equivalent tested experience such as experience and mastery in industry is required. Candidates should be able to demonstrate a record of teaching excellence and enthusiasm.

Review of applications will begin on November 27, 2023 and will continue until the positions are filled. Interested candidates should review the application requirements, learn more about IU and The Luddy School, and apply online at:

https://indiana.peopleadmin.com/postings/20816

Questions may be sent to Charles Pope (*cepope@indiana.edu*)

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment 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.

Professional Opportunities

INSAIT

Open Tenure-track and Tenured Faculty Positions

The Institute for Computer Science, Artificial Intelligence and Technology (INSAIT), created in partnership with Switzerland's ETH Zurich and EPFL, seeks candidates for faculty positions starting immediately, or on a mutually agreed date thereafter.

Founded in 2022, INSAIT's mission is to become a world-class computer science and artificial intelligence research institution. As such, INSAIT is structured similarly to top U.S. and European research institutions and provides outstanding working conditions, in terms of facilities, packages and salaries.

We welcome excellent faculty applicants in all areas of computer science and artificial intelligence, both tenure-track faculty as well as tenured researchers. Faculty duties involve supervision of graduate students as well as teaching graduate courses. Opportunities to supervise B.Sc. and M.Sc. dissertations are also possible due to INSAIT being well integrated with the local university.

To be eligible for this position candidates should:

- have earned a Ph.D. in computer science or closely related areas by the start of the position;
- demonstrate evidence they are able to pursue a strong and independent research program;
- have a strong commitment to teaching graduate courses.

Applications must include a curriculum vitae (CV), a research statement (up to 5 pages) and a teaching statement (up to 2 pages). Further, the application should provide the names and email addresses of three or more referees. The referees should be professionally established researchers who know the candidate well, both academically and personally. It is the responsibility of the candidate to arrange reference letters to be sent to *contact@insait.ai*

Applications received before January 15, 2024 will be assured full consideration; however, we will continue accepting applications until the positions are filled.

When ready to apply, go to:
https://insait.ai/join-as-faculty/.

INSAIT is a strong proponent of equal opportunities, diversity, and inclusion, and as such, we strive to offer equal opportunities and access to all candidates regardless of their race, colour, ethnic or social origin, genetic features, language, religion or belief, political or any other opinion, minority membership, disability, age, gender identity, or any other protected characteristic. We strongly welcome applications from all under-represented groups in the field.

Iowa State University

Assistant or Associate Teaching Professor Position in Computer Science

The Department of Computer Science at Iowa State University (ISU) in Ames, Iowa, seeks outstanding applicants for an assistant or associate teaching professor position. The preferred start date is January 1, 2024. Responsibilities will include teaching computer science courses, primarily at the undergraduate level, and may include lectures in a large classroom setting and supervision of teaching assistants who will cover smaller hands-on lab sections.

The ISU Department of Computer Science is rapidly growing in terms of faculty, staff, students, degree programs, research funding, philanthropy, and rankings. The department 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. Integral to initiating numerous degrees, such as the B.S. in Software Engineering and Data Science, it prides itself on active participation in interdisciplinary initiatives. With over 1,700 students across different levels and a faculty strength of 41, the department fosters a robust academic environment.

This part-time term faculty position is an 87.5% full-time equivalent (FTE), 9-month position with an initial 3-year term. This position has the possibility of additional course assignments and possible summer appointments, both contingent upon budget and staffing needs. This position is eligible for full faculty benefits.

To ensure full consideration, applications should be received by December 1, 2023, but will be accepted until the position is filled.

For more information about requirements and application instructions, please refer

to *https://isu.wd1.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Assistant-or-Associate-Teaching-Professor-in-Computer-Science_R13483*.

ISU is dedicated to work-life balance through an array of flexible policies, and 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

Assistant Professor

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

This position is part of a strategic initiative to build Iowa State's research strength and degree programs in key areas, including cybersecurity.

To ensure full consideration, applications should be received by January 2, 2024, 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*.

Jane Street

Prefaculty/postdoctoral researcher in type systems

We're looking for type systems researchers to visit our compilers team. You'll work on the design, implementation, and formalization of OCaml extensions we've been building, including stack-allocated values (avoiding garbage collection), unboxed types (avoiding allocation of any kind), and modes for data-race freedom. We would then collaborate to write up this work and submit for publication in top venues. This is an opportunity to see how programming language concepts can be put into practice in the hands of a large and expert team of functional programmers.

The ideal candidate will have a faculty offer in hand and will delay their start at a top research university in order to work with us for one year. We are also open to evaluating excellent candidates looking for a more typical postdoctoral appointment, for up to two years.

Full details and next steps are at *https://www.janestreet.com/vrp-prefaculty*.

Lehigh University

Open Rank Search: Data Science for Health

The Rossin College of Engineering and Applied Science at Lehigh University invites applications at all ranks for a tenure-track or tenured position in Data Science for Health. This search is being conducted jointly by the Department of Computer Science and Engineering

and the Department of Industrial and Systems Engineering and is one of several expected hires in this area. Human health is an identified area of strategic importance for Lehigh, as reflected by the recent establishment of a College of Health. Candidates must possess a Ph.D. or equivalent. The successful candidate will be expected to demonstrate a strong commitment to undergraduate and graduate education; pursue a vibrant research agenda focused on data science methodology with applications to health; and be committed to fostering a diverse, equitable, and inclusive environment.

Applications must be submitted at *https://academicjobsonline.org/ajo/jobs/25984* for a tenure-track position or *https://academicjobsonline.org/ajo/jobs/25975* for a tenured position.

Review of applications will begin October 15, 2023 and will continue until the position is filled.

Inquiries may be addressed to Professor Ted Ralphs, Search Committee Chair, *ted@lehigh.edu*.

Lehigh University is committed to increasing the diversity and inclusion in the university community and curriculum.

Lehigh University

Faculty Position in Computer Science and Engineering

The *Department of Computer Science and Engineering* (CSE) in the P.C. Rossin College of Engineering and Applied Science at Lehigh University invites applications for tenure-track faculty. Tenure on appointment is possible for senior candidates. We encourage applications from outstanding candidates in the areas of systems, machine learning, artificial intelligence, and/or data science, particularly those whose work engages with the societal relevance and impact of these technologies. 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 560 full-time faculty members. Lehigh University is located in Bethlehem, PA., a vibrant and historic area. Over 860,000 people live in the Lehigh Valley, which is in close proximity to New York City and Philadelphia.

For full consideration, application materials should be received online by December 1, 2023.

Candidates applying for a *senior position with tenure* must submit application materials online at *https://academicjobsonline.org/ajo/jobs/26586*. Candidates requesting a *position without tenure* must submit application materials at *https://academicjobsonline.org/ajo/jobs/26587*. Questions concerning this search may be sent to *faculty-search@cse.lehigh.edu*.

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

Open Rank Position in Robotics

The Rossin College of Engineering & Applied Science at Lehigh University invites applications for an open rank position in Robotics; tenure upon hire will be considered as appropriate for applicants' experience and rank. Candidates are required to have a Ph.D. degree in Computer Science, Mechanical Engineering, Computer Engineering, Electrical Engineering, Robotics, or a related field.

For full consideration, application materials must be received online by 12/31/2023.

For a tenure-track faculty position apply at *https://academicjobsonline.org/ajo/jobs/26032* and to be considered for tenure on appointment, apply at *https://academicjobsonline.org/ajo/jobs/26062*.

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. We are committed to increasing the diversity of the campus community.

Professional Opportunities

Loyola University Chicago

Tenure-Track Assistant Professor Position in Computer Science

The Department of Computer Science at Loyola University Chicago invites applications for a full-time, tenure-track position at rank Assistant Professor beginning Fall 2024 in foundational areas, including Algorithms, Programming Languages, Formal Methods, Theory of Computation, and Software Engineering.

The department has 16 full-time faculty members serving about 600 undergraduate majors and minors and 90 master's students enrolled in computer science, cybersecurity, information technology, software engineering, and data science degree programs. The department maintains an active research program with recent funding from NSF, NIH, NSA/DoD and other sources, and launched its PhD program in Fall 2023. For more information about the department, please visit *www.luc.edu/cs*.

Located on Chicago's vibrantly multicultural North Side, the department is dedicated to mentoring a diverse student body, many of whom come from underrepresented and underserved populations. We especially encourage applications from candidates from underrepresented groups, as well as applications from scholars committed to interdisciplinarity and the successful pursuit of external grants.

Review of applications will begin immediately and continue until the position is filled. Applications submitted before January 2, 2024, will receive full consideration.

LUC is an Equal Opportunity/Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty.

Applicants should follow the specific instructions available at *www.careers.luc.edu/postings/26849*.

Massachusetts Institute of Technology

Cambridge, MA

Faculty Positions

The Massachusetts Institute of Technology Department of Electrical Engineering and Computer Science (EECS) in Cambridge, Massachusetts seeks candidates for faculty positions starting July 1, 2024, or on a mutually agreed date thereafter. We welcome outstanding applicants with research and teaching interests in any area of electrical engineering, computer science, and artificial intelligence and decision making. EECS believes that the intellectual, cultural and social diversity of our faculty, staff, and students is vitally important to the distinction and excellence of our academic and research programs. The Department seeks candidates who support our institutional commitment to ensuring that MIT is inclusive, equitable, and diverse.

Appointment will be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible, commensurate with experience. Faculty duties include teaching at the undergraduate and graduate levels, research, and supervision of student research. Candidates should hold a Ph.D. in electrical engineering and computer science or a related field by the start of employment. Employment is contingent upon the completion of a satisfactory background check, including possible verification of any finding of misconduct (or pending investigation) from prior employers.

Candidates must register with the EECS search website at *https://faculty-searches.mit.edu/eecs*, and must submit application materials electronically to this website. Applications must include a cover letter, curriculum vitae, a research statement (2-4 pages) and a teaching statement (1-2 pages). In addition, candidates should provide a statement regarding their views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas. Each application should include the names and addresses of three or more individuals who will provide letters of recommendation. Letter writers should submit their letters directly to MIT, preferably on the website or by mailing to the address below. Complete applications should be received by December 1, 2023. Applications will be considered complete only when both the applicant materials and **at least three letters of recommendation are received.**

It is the responsibility of the candidate to arrange reference letters to be uploaded at *https://faculty-searches.mit.edu/eecs* by December 1, 2023.

Send all materials not submitted on the website to:

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

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

Michigan Technological University

Assistant Professor, Computer Science

The Department of Computer Science in the College of Computing at Michigan Technological University invites applications for the position of Assistant Professor. Applicants with the required education, experience, knowledge, skills, abilities, and accomplishments commensurate with a higher rank will also be considered for an appointment at the rank of Associate or Full Professor. Two positions are available.

We encourage applicants in all research areas of computer science, especially those with expertise in systems, software engineering, data science and cybersecurity. Successful candidates will demonstrate a passion for their research, an enthusiasm for undergraduate and graduate education, and a strong commitment to cultivating diverse and inclusive environments. The anticipated start date is August 2024.

Michigan Tech attracts world-class faculty who enrich the educational experience of smart, motivated, and adventurous students. Our university is nationally ranked among the best universities for job placement, return on investment, and safety. Michigan Tech recognizes the importance of supporting faculty members' partners; candidates selected for on-campus interviews will be invited to bring a guest. Additional details on our Partner Engagement Program can be found at *https://www.mtu.edu/provost/programs/partner-engagement/*

Michigan Tech is proud to be an ADVANCE Institution that has received three National Science Foundation grants to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM. Applicants who are committed to promoting a sense of belonging and contributing to an equitable and inclusive learning environment for all are strongly encouraged to apply. (See *https://www.mtu.edu/diversity-inclusion/* for more information on Michigan Tech's commitment to diversity and inclusion, and our strategic planning framework).

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

Review of applications will begin on November 27, 2023, and will continue until the positions are filled.

Applicants should submit a cover letter, a curriculum vitae and brief research and teaching statements, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted. Applicants for a senior position may include the names of at least three references in lieu of letters.

Applications must be submitted online at *https://www.employment.mtu.edu/cw/en-us/job/493374*. For more information, please visit *https://www.mtu.edu/cs/department/employment/* or contact the search committee chair, Dr. Jean Mayo, *jmayo@mtu.edu*.

We strongly encourage applicants to address the required and desired qualifications in their cover letter along with an explanation of how they will contribute to the Vision and Mission of Michigan Tech.

Professional Opportunities

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

Michigan Technological University

Assistant Teaching Professor, Computer Science

Michigan Technological University Department of Computer Science invites applications for an instructional track faculty position at the assistant teaching professor level beginning August 2024 (or as earlier as January 2024). Candidates are expected to demonstrate potential for excellence in teaching across the Data Science curriculum. Candidates may be expected to teach some other courses across the CS curriculum. A typical load is three courses per semester, along with service responsibilities.

Michigan Tech attracts world-class faculty who enrich the educational experience of smart, motivated, and adventurous students. Applicants who are committed to promoting a sense of belonging and contributing to an equitable and inclusive learning environment for all are strongly encouraged to apply (*https://www.mtu.edu/diversity-inclusion/*).

The Department has 24 regular faculty members, 708 undergraduate students in three degree programs and 124 graduate students in five graduate programs. Michigan Tech is an internationally renowned doctoral research university with approximately 7000 students and 400 faculty located in Houghton, Michigan, in the scenic Upper Peninsula on the south shore of Lake Superior. The area provides a unique setting where natural beauty, culture, education, and a diversity of residents from around the world come together to share superb living and learning experiences. Michigan Tech is nationally ranked among the best universities for job placement, return on investment, and safety.

Review of applications will begin Nov 1 and continue until the position is filled. Submit applications online at *http://www.employment.mtu.edu/cw/en-us/job/493376*. To learn more, visit *https://www.mtu.edu/cs/* or contact the Department Chair, Dr. Zhenlin Wang, at *zlwang@mtu.edu.*

Michigan Tech recognizes the importance of supporting faculty members' partners; candidates selected for on-campus interviews will be invited to bring a guest. Additional details on our Partner Engagement Program can be found at *https://www.mtu.edu/provost/programs/partner- engagement/.*

Michigan Tech is proud to be an ADVANCE Institution that has thrice received National Science Foundation support to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM. (see *https://www.mtu.edu/advance/)*.

Michigan Tech is an EOE that provides equal opportunity for all, including protected veterans and individuals with disabilities.

Missouri University of Science & Technology

Full/Associate/Assistant Professor

Interested candidates must apply through the respective UMSystem HR ad link on our homepage: *https://cs.mst.edu/* and electronically submit their application consisting of 1) cover letter, 2) current curriculum vitae, 3) research statement, 4) teaching statement, 5) contact information for at least four references. The acceptable electronic format is PDF. Applications will be reviewed as they are received, and the review process will continue until the positions are filled.

For full consideration and early action, applicants must apply by January 12, 2023.

For more information, please contact the Search Committee Chair, at *csdept@mst.edu*.

Missouri S&T does not discriminate on the basis of protected classes as defined by the policies of the University of Missouri and applicable state or federal law. These policies shall not be interpreted in such a manner as to violate the legal rights of religious organizations, or the recruiting rights of military organizations associated with the Armed Forces or DHS. S&T participates in E-Verify. For E-Verify information, please contact DHS at: 1-888-464-4218.

Professional Opportunities

New Jersey Institute of Technology

Tenure-Track Faculty Positions in Computer Science at NJIT (cybersecurity)

The **Computer Science Department** at the **New Jersey Institute of Technology (NJIT)** invites applications for multiple tenure-track faculty positions starting in Fall 2024, as follows:

- Tenure-track positions in cybersecurity
- Tenure-track position in all areas of computer science

We aim to hire at the rank of Assistant Professor, but exceptional candidates at higher ranks will also be considered. Candidates with doctorates from top worldwide institutions are especially welcome to apply.

NJIT is a Carnegie RI Doctoral University (Very High Research Activity), with $167M research expenditures in FY22. The Computer Science Department has 31 tenured/tenure track faculty, with eight NSF CAREER, one DARPA Young Investigator, and one DoE Early Career awardees. The Computer Science Department enrolls over 3,200 students at all levels across eleven programs of study and takes part, alongside the Departments of Informatics and Data Science, in the Ying Wu College of Computing (YWCC). YWCC comprises has an enrollment of more than 4,700 students in computing disciplines, and graduates over 1,000 computing professionals every year; **as such, it is the largest producer of computing talent in the tri-state (NY, NJ, CT) area.**

To formally apply for the position, please submit your application materials at *https://academicjobsonline.org/ajo/jobs/25687*.

NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement.

Applications received by December 31, 2023 will receive full consideration.

However, applications are reviewed until all the positions are filled. Contact address for inquiries: *cs-faculty-search@njit.edu*.

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

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

New York University Faculty of Arts and Science and Courant Institute

Departments of Computer Science and Physics
Tenure-Track Faculty Position in Computational Quantum Sciences

The Departments of Computer Science (Courant Institute) and Physics (Faculty of Arts and Science) of New York University invite applications for a position in the general area of computational quantum sciences with a goal towards developing algorithms for quantum computation and/or simulation of complex quantum systems.

The position is a 50-50 joint appointment between the NYU Courant Computer Science and FAS Physics departments, with the appointee spending half of their effort in each place. The opening is at the tenure track Assistant Professor level, although more senior candidates may be considered in exceptional circumstances. Successful candidates will have a Ph.D in physics, computer science or a related discipline and one or more years of postdoctoral research experience is desirable. Candidates are expected to establish a leading research program in their field, as well as teach at the undergraduate and graduate levels. The appointment can begin as early as September 1, 2024, pending administrative and budgetary approval.

More information about NYU Computer Science and Physics Department's research programs can be found at *http://cs.nyu.edu* and *http://physics.as.nyu.edu* respectively.

Interested candidates should apply online at *http://apply.interfolio.com/136685* with
(1) a curriculum vitae including a list of publications,
(2) a research statement, highlighting current and planned research activities,
(3) a teaching statement,
(4) the names of three references, and
(5) a cover letter applying for the position.
Because diversity and inclusion are an important part of the NYU mission, candidates should include a paragraph in their cover letter indicating how diversity and inclusion figure into their past, present, and future teaching, research, and community engagement. (Additional information can be found here:*https://as.nyu.edu/departments/facultydiversity/recruitment/diversity-statements.html*)

Review of applications will begin on January 1, 2024.

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

Sustainability Statement:

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

Pay Transparency Statement In compliance with NYC's Pay Transparency Act, the annual base salary range for this position is $120,000 - $180,000. New York University considers factors such as (but not limited to) the scope and responsibilities of the position, the candidate's work experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

Norfolk State University

Tenure-Track Assistant Professor-Computer Science

The Department of Computer Science at Norfolk State University (NSU) seeks applicants for 2 Tenure-Track Assistant Professor Positions-Computer Science (CS) to begin Fall 2024, applicant reviews begin January 15 until filled.

NSU is a comprehensive urban public, doctoral-granting institution of 6,000 students in 30+ UG programs, top-ranked HBCU, nationally recognized STEM programs accredited by the Computing Accreditation Commission of ABET, and garners over $20M in annual grant expenditures. NSU is recognized by NSA/DHS as a National Center of Academic Excellence in Cyber Defense.

Select the link to apply,

https://www.jobs.virginia.gov/jobs/ad4b2489-5ee4-43f4-a8e3-38f238406b53

North Carolina State University

Faculty Position - Tenured/Tenure-Track Faculty Positions in Cyber-Physical Systems

The Department of Computer Science at North Carolina State University (NCSU) invites applications for one or more Tenured/Tenure-Track Faculty Positions, with an expected (but flexible) start date of August 16, 2024. Applicants at all ranks (Assistant, Associate, or Full Professor) will be considered.

Candidates must work in the area of Cyber-Physical Systems, with a particular emphasis on robotics, aerial and ground autonomous vehicles, and control systems.

Successful candidates must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field.

The Department, part of NC State's College of Engineering, is one of the largest and oldest in the country. The department's research expenditures and recognition have been growing steadily. For example,

we have one of the largest concentrations in the country of prestigious NSF Early Career Award winners (35 of our current or former faculty have received one). Further, we are widely recognized as a highly diverse department, having one of the highest numbers of female tenure track faculty in a computer science department in the country.

NC State is located in Raleigh, the capital of North Carolina, which forms one vertex of the world famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, farmer's markets and festivals, and great weather- all in proximity to the mountains and the seashore.

Applications will be reviewed as they are received, with reviews beginning 15 days after this advertisement is posted and continuing as long as the positions are open. Applications before 12/20/2023 will receive full consideration for an August 2024 start, but the review will continue until the positions are filled. The positions will remain open until suitable candidates have been identified.

Applicants should submit the following materials online at ***https://jobs.ncsu.edu/postings/193040*** (reference position number - 00109211) cover letter; curriculum vitae; research statement; teaching statement; and names, affiliations, and professional email addresses of at least three references. Candidates can obtain information about the department and its research programs, as well as more detail about the positions advertised here at ***https://www.csc.ncsu.edu***. Inquiries may be sent via email to: ***csc-tt-cps-facsearch@lists.ncsu.edu***.

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

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

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

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

North Carolina State University

Faculty Position - Tenured/Tenure-Track Faculty Positions in Digital Transformation of Education

The Department of Computer Science at North Carolina State University (NCSU) invites applications for one or more Tenured/Tenure-Track Faculty Positions, with an expected (but flexible) start date of August 16, 2024. Applicants at all ranks (Assistant, Associate, or Full Professor) will be considered.

Candidates must work in the area of the digital transformation of education, with a particular emphasis on artificial intelligence in education including large language models; novel digital technologies for education including augmented reality, virtual reality and mixed reality; and human computer interaction focused on educational technologies.

Successful candidates must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field.

The Department, part of NC State's College of Engineering, is one of the largest and oldest in the country. The department's research expenditures and recognition have been growing steadily. For example, we have one of the largest concentrations in the country of prestigious NSF Early Career Award winners (35 of our current

or former faculty have received one). Further, we are widely recognized as a highly diverse department, having one of the highest numbers of female tenure track faculty in a computer science department in the country.

NC State is located in Raleigh, the capital of North Carolina, which forms one vertex of the world famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, farmer's markets and festivals, and great weather- all in proximity to the mountains and the seashore.

Applications will be reviewed as they are received, with reviews beginning 15 days after this advertisement is posted and continuing as long as the positions are open. Applications filed before 12/20/2023 will receive full consideration for an August 2024 start, but the review will continue until the positions are filled. The positions will remain open until suitable candidates have been identified.

Applicants should submit the following materials online at ***https://jobs.ncsu.edu/postings/193045*** (reference position number - 00103887) cover letter; curriculum vitae; research statement; teaching statement; and names, affiliations, and professional email addresses of at least three references. Candidates can obtain information about the department and its research programs, as well as more detail about the positions advertised here at ***https://www.csc.ncsu.edu***. Inquiries may be sent via email to: ***csc-tt-dte-facsearch@lists.ncsu.edu***

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

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

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

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

Northern Illinois University

Assistant Professor of Computer Science (Multiple Tenure-Track Positions)

Department of Computer Science – College of Liberal Arts & Sciences

The Computer Science Department at Northern Illinois University (NIU) invites applicants to tenure-track faculty appointments, preferably in Artificial Intelligence, Machine Learning, or Data Science, at the Assistant Professor rank to start in August 2024.

The University: NIU values diversity, equity, and inclusion (DEI). We expect candidates to equally value these principles and to serve as active participants and allies in working toward DEI initiatives.

NIU is a public research university in DeKalb, IL, an affordable and growing community within a commutable distance from Chicago and Rockford metropolitan areas and less than an hour's drive from two of the U.S. Department of Energy's (DOE) national laboratories Argonne National Laboratory and the Fermi National Accelerator Laboratory. Our 16,000+ student body is diverse, with many first-generation, racially, and culturally diverse students and international students from 73 countries. NIU prides itself on student-centered approaches to teaching and research and has social mobility, equity, and inclusion at the heart of its mission. Recently, NIU was nationally recognized as a top college for diversity and LGBTQ+ students and has been named one of the Great Colleges to Work For two years in a row.

Professional Opportunities

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

The Department: The Department of Computer Science is vibrant and experiencing significant growth. It offers B.S., M.S., and Ph.D. degree programs in Computer Science, with over 750 undergraduate majors and 200 graduate students. Support for faculty research programs comes from industry and prestigious agencies such as the National Science Foundation, National Institutes of Health, and U.S. Departments of Energy and Defense. Our faculty and students benefit from collaborations with research staff from industry and the nearby DOE laboratories, Argonne and Fermilab. The Department values faculty research programs that enlist graduate and undergraduate students and supports such programs with commensurate teaching assignments.

Position Summary and Responsibilities:

The Assistant Professor will work within various areas of Computer Science. Responsibilities include teaching undergraduate and graduate courses in Computer Science, scholarship, acquiring external funding, curriculum development, mentoring students, and service. The Assistant Professor will lead Ph.D. dissertations and M.S. theses and guide undergraduate students in research projects and capstones.

Minimum Required Qualifications:

- Must have or expect to complete a Ph.D. or equivalent degree in computer science or related field by August 16, 2024;
- Must have expertise or evident potential for quality teaching in computer science at both the undergraduate and graduate levels;
- Must show evidence of, or potential for, publishing in premier peer-reviewed scholarly venues, developing an independent line of research, and securing external funding.

Additional Requirements:

- Must have effective interpersonal communication skills and a commitment to working effectively in a collegial, multicultural environment.

Preferred Qualifications:

- Candidates from all research areas are welcome, but preference will be given to candidates with expertise in Artificial Intelligence, Machine Learning, or Data Science in alignment with the department's research vision and the President's University Research Goals;
- Candidates who have experience working in settings with students from diverse cultural backgrounds and who possess a commitment to improving their access to higher education and achievement.

Salary:

- Commensurate with experience and qualifications. Position includes a robust *benefits package*.

Application Procedures:

For full consideration, prospective applicants should visit *https://employment.niu.edu/postings/74093* to apply and submit the following materials by **October 15, 2023**:

- Curriculum vitae (no page limit)
  - » Should include links to professional website(s) and profiles on platforms such as Google Scholar, ResearchGate, DBLP, or similar
- Cover letter (2 page limit)
  - » Should describe the applicant's interest in the position and how the applicant's expertise links to the department's research and teaching missions
- Research statement (3 page limit)
  - » Should articulate current and proposed research topics, settings or application areas, and potential funding sources
- Teaching statement (2 page limit)
  - » Should describe the applicant's undergraduate and graduate teaching interests and (both existing and future courses) and experiences in conveying the candidate's understanding of evidence-based teaching practices
- Contributions to diversity statement (2 page limit)
  - » Should describe how their past, present or potential teaching, research, and life experiences will inform their efforts to advance equity for diverse communities, including populations that are historically underrepresented or marginalized in the field, to provide a welcoming, inclusive learning environment for all students

Professional Opportunities

The Department welcomes applications submitted after October 15, and will consider those as needed. Interviews may begin before October 15, but the Department will consider all applications received by the date before rendering hiring decisions.

Background check/EEO statement:

In compliance with the Illinois Campus Security Act, before an offer of employment is made, the university will conduct a pre-employment background investigation, which includes a criminal background check. In accordance with applicable statutes and regulations, NIU is an Affirmative Action/Equal Employment Opportunity employer and does not discriminate on the basis of race, color, national origin, ancestry, sex, religion, age, physical and mental disability, marital status, veteran status, sexual orientation, gender identity, gender expression, political affiliation, or any other factor unrelated to professional qualifications, and will comply with all applicable federal and state statutes, regulations and orders pertaining to nondiscrimination, equal opportunity and affirmative action. NIU recognizes Dual Career issues. In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire.

Northern Kentucky University

Multiple Faculty Positions - School of Computing and Analytics

The School of Computing and Analytics (SCA) at Northern Kentucky University (*http://nku.edu/sca*) is actively seeking applications for multiple tenure-track positions at the Assistant Professor level, scheduled to commence in the Fall of 2024.

SCA provides 8 bachelor programs and 3 master programs, catering to a student body of over 1150 individuals. Among its 36 full-time faculty members, 26 hold tenured or tenure-track positions.

Prospective candidates with a primary emphasis on **cybersecurity, information technology**, and related fields are encouraged to access this link: *https://jobs.nku.edu/postings/13477*

Prospective candidates with a primary emphasis on **computer science, software engineering**, and related fields are encouraged to access this link: *https://jobs.nku.edu/postings/13476*

Prospective candidates with a primary emphasis on **information systems, business analytics**, and related fields are encouraged to access this link: *https://jobs.nku.edu/postings/13385*

Applications will be accepted until positions are filled.

Oakland University

Tenure-track Assistant Professors of Computer Science

Job Description:

The Department of Computer Science and Engineering needs to fill three tenure-track assistant professor positions. The department is looking for candidates in the broad area of Artificial Intelligence and Cyber Security, although outstanding candidates in other related areas will also be considered. The position will begin on August 15, 2024. Candidates must show exceptional promise in both research and teaching. Candidates should have an appreciation of and commitment to the value of diversity and work with a diverse faculty and student body.

Minimum Qualifications:

Applicants must have completed a Ph.D. in Computer Science, or a closely related field by the appointment date.

School/College/Dept Summary:

The department offers BS degrees in Computer Science, in Information Technology, in Cyber Security and in Artificial Intelligence; MS degrees in Computer Science, Cybersecurity, in Software Engineering and Information Technology and In Artificial Intelligence; Ph.D. degrees in Computer Science and Informatics. For information about the department and Oakland University, please visit the respective homepages.

OU Standard:

The University is located on 1,443 acres of scenic land in the cities of Rochester

Hills and Auburn Hills in Oakland County, Michigan. The University offers 142 bachelor's degree programs and 138 graduate degree and certificate programs. Academics include programs in the College of Arts and Sciences, School of Business Administration, School of Education and Human Services, School of Engineering and Computer Science, School of Health Sciences, School of Medicine and School of Nursing. As an anchor institution in southeastern Michigan that is dedicated to building ongoing, collaborative relationships, Oakland University embraces community and civic engagement to enhance the lives of its students and positively impact the broader community. Learn more about Oakland University's Mission & Vision and Strategic Plan.

Special Instructions:

Review of applications will begin on December 10, 2023 and continue until the position is filled. Applicants should submit a letter of intent, a statement of research, a statement of teaching, CV, a diversity statement, transcripts (unofficial) and contact information for three references. The diversity statement will describe their interest or efforts in furthering diversity and inclusion e.g., through mentoring, pedagogy, activism, faculty recruitment/retention, or research on issues related to diversity and social equality. The teaching statement should include a list of undergraduate and graduate courses that the applicant will be willing to teach as well as outlines of two courses that the applicant would like to introduce. Information about the current courses offered by the department is available on the departmental website at *http://www.cse.secs.oakland.edu*.

Link: *https://jobs.oakland.edu/postings/29592*

EEO: Oakland University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

Oklahoma State University

Multiple Professor positions

The Oklahoma State University (OSU) Department of Computer Science is seeking applications for an open-rank, open expertise tenure-track position, and two career-track Teaching Assistant Professor positions (one for the Stillwater campus and one for the Tulsa campus) with a start date of August 2024.

To learn more about the positions and to apply, visit *https://apply.interfolio.com/136112*

The University is located in Stillwater, Oklahoma, a micropolitan community of approximately 49,000 people with high-quality amenities and a comparably low cost of living. In addition to excellent healthcare, education (public and private primary and secondary schools), and recreational services, the community affords a rich variety of cultural activities typical of a major university environment.

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

Old Dominion University

Assistant Professors in Computer Science of Data Science or Cybersecurity

The Department of Computer Science at Old Dominion University is seeking full-time tenure track faculty members with expertise in the areas of cybersecurity, AI, machine learning, and related areas. We are especially interested in those who are interdisciplinary, applying their expertise to several other domains. The appointments will be at the Assistant Professor rank with an anticipated start date of July 2024.

Current research areas span a wide range, with established strengths in high performance scientific computing, data science, bioinformatics, parallel mesh generation, real-time medical image computing, web science, mobile computing, cyber-physical systems, and large-scale video analytics. Excellent collaborative research opportunities are available at ODU's School of Cybersecurity, School of Data Science, and at nearby NASA Langley Research Center, DoE's Thomas Jefferson National Accelerator Facility, National Institute of Aerospace, Eastern Virginia Medical School and Sentara Hospital with state-of-the-art operating room suite for image guided surgery, and the Virginia Modeling Analysis and Simulation Center.

Professional Opportunities

ODU and the College of Sciences are committed to inclusive excellence, recognizing that diversity enhances and enriches our educational mission, employment experience, and community engagement. We seek candidates whose research, teaching, and/or service experiences have prepared them to fulfill our commitment to inclusion.

Minimum Qualifications:

1. A Ph.D. or equivalent in Computer Science or related discipline by the time of appointment.
2. The potential for success in teaching, research, and obtaining external research grants.
3. Ability to obtain external research funding.
4. Expertise in the areas of data science or cybersecurity.

Preferred Qualifications:

Special consideration will be given to candidates demonstrating a potential for collaboration with the current Computer Science faculty or for inter-disciplinary collaboration with other researchers at ODU.

How to Apply:

Interested candidates should visit *https://jobs.odu.edu/postings/19722* to submit:

1. A letter of application;
2. A curriculum vitae;
3. A statement of research activities and future research plans;
4. A statement of teaching philosophy;
5. Unofficial graduate transcripts; and
6. Contact information for four references.

For additional information regarding the position, please contact Search Committee Chair Dr. Desh Ranjan. The review of applications will begin December 1, 2023, and the position will remain open until filled.

Old Dominion University

Lecturers in Computer Science (Multiple Openings, Non-Tenure Track)

The Department of Computer Science at Old Dominion University is inviting applicants for multiple Lecturer positions beginning Fall 2024. The successful applicant must be prepared to teach a broad range of undergraduate courses, beginning programming courses in Java and Python, and more advanced courses, particularly in object-oriented techniques and software engineering. An ability to teach data-science, cybersecurity and/or web applications would also be valued. Applicants must be prepared to handle the usual faculty service load. We seek candidates whose research, teaching, and/or service experiences have prepared them to fulfill our commitment to inclusion.

Minimum Qualifications:

1. An M.S. (or equivalent) in Computer Science.
2. Demonstrated preparation for teaching a broad range of undergraduate courses in Computer Science.

Preferred Qualifications:

- A Ph.D. in Computer Science with the accompanying ability or experience to teach graduate courses in Computer Science.
- A history of course development for in person instruction and synchronous and asynchronous distance learning environments.
- Experience with teaching and managing large course sections and courses with formal laboratory components.
- Experience in undergraduate student advising and recruiting is preferred.
- Demonstrated ability to teach data science, cybersecurity, and/or web applications.

How to Apply:

Interested candidates should visit *https://jobs.odu.edu/postings/19746* to submit:

1. A letter of interest;
2. A curriculum vitae;
3. A statement of teaching philosophy that specifically addresses the desired qualities for a successful applicant outlined above;
4. Unofficial graduate transcripts; and
5. Contact information for four professional references.

The review of applications will begin January 10, 2024, and the position will remain open until it is filled. Additional inquiries may be directed to Dr. Steve Zeil, Search Committee Chair.

Professional Opportunities

Old Dominion University

Multiple Tenure Track and Non-tenure Track positions in Cybersecurity

The School of Cybersecurity at Old Dominion University invites applications for **one tenure-track/tenured** position at the Assistant or Associate Professor rank, and **three lecturer** positions to begin in Fall 2024.

The School of Cybersecurity was established in 2020 and houses one of the largest cybersecurity programs in the nation. The school has been designated by NSA and DHS as a National Center of Academic Excellence in Cyber Operations and a National Center of Academic Excellence in Cyber Defense and has been rapidly growing with a total of about 1450 students. ODU is Virginia's forward-focused public doctoral research university, with a top R1 research ranking, rigorous academics, an energetic residential community, and initiatives that contribute $2.6 billion annually to Virginia's economy.

To see more information and apply, visit the links below:

- Tenure-track/tenured position: *https://jobs.odu.edu/postings/19813* (submit by **January 15, 2024** for full consideration)
- Lecturer positions: *https://jobs.odu.edu/postings/19814* (submit by **February 1, 2024** for full consideration)

Old Dominion University is an equal opportunity, affirmative action institution. Minorities, women, veterans, and individuals with disabilities are strongly encouraged to apply.

Penn State

Dean, College of Information Sciences and Technology

Penn State is seeking nominations and candidates for the next dean of the College of Information Sciences and Technology. Reporting to the Provost, the dean will provide leadership and vision for the College of IST as it continues to grow and respond to an evolving educational landscape.

A detailed position description can be provided upon request. Nominations and applications will be accepted until the position is filled and interested parties are encouraged to submit applications by January 15, 2024. Applications should include a statement of interest and a resume of professional and educational attainments. All nominations, applications, and inquiries should be submitted electronically in confidence to:

PSU-*ISTDean@kornferry.com*

Princeton University

Open Rank Faculty Positions (Full, Associate, or Assistant Professor) in Interdisciplinary Data Scie

As part of a major new initiative in interdisciplinary data science, Princeton University is undertaking a search for faculty members at tenured and tenure-track ranks across all areas of science, engineering, social science, and humanities. This initiative will involve multiple faculty hires over the next several years. We are particularly interested in applicants who advance discovery in their fields of scholarship using techniques from machine learning and statistics. Applicants may also make research advances in the machine learning and statistical methods themselves, as necessary for their application domains.

These faculty hires will contribute to the momentum already building across Princeton University in interdisciplinary data science. For associate and full professor candidates, we are looking for research leaders who cross boundaries in applying data-science methods. For assistant professor candidates, we are looking for rising stars who are conducting exciting research that applies data-science methods in their chosen field(s). Applicants must demonstrate superior research and scholarship potential, as well as teaching ability. Faculty appointments resulting from this search may be made with a range of different departments, centers, or institutes at Princeton University.

PhD expected. In addition, applicants must have a strong record of research productivity, demonstrate the ability to develop a rigorous research program, and be committed to teaching at both the undergraduate and graduate levels. The university is committed to fostering a diverse and inclusive academic community. We welcome applications from members of groups that have been historically underrepresented in their chosen fields.

Applications must be submitted online at

https://www.princeton.edu/acad-positions/position/32067

Professional Opportunities

Applicants should include a cover letter, curriculum vitae, a research statement, and a teaching statement, as well as contact information for at least three references.

Review of applications will begin by December 1, 2023, and applications will be considered throughout the academic year.

Princeton University is an equal-opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. This position is subject to the University's background check policy.

Purdue University

Department of Computer and Information Technology

Assistant or Associate Professor of Practice

West Lafayette, Indiana campus

Start Date: Fall 2024

Apply By: Application reviews commence on December 10, 2023, and will continue until we find our perfect match

Purdue University's Department of Computer and Information Technology is excited to invite individuals with a passion for teaching and a commitment for nurturing young minds to be a part of our dynamic team beginning Fall 2024. As we embark on an era of unprecedented technological advancements, we are on the lookout for multiple Assistant or Associate Professors of Practice ready to shape the minds of our next generation. By joining us, you will be at the forefront of a rapidly expanding department, contributing to various domains of computer and information technology. We are particularly interested in individuals who possess expertise in one or more of the following areas:

- Cybersecurity and Cyber Forensics
- Data Analytics, Technologies, and Applications
- Computer and Information Technology
- Computing Infrastructure and Network Engineering Technology
- Computing Systems Analysis and Design

Job Duties

As a vital member of our faculty, you will be entrusted with the responsibility of delivering high-quality lectures, designing interactive labs, creating comprehensive course assessments, and leading a team of dedicated teaching assistants. At Purdue, we believe in fostering a collaborative environment, and you will be an integral part of our vibrant teaching community.

Qualifications

Candidates must have completed a Master's Degree or Ph.D., or expect to complete their Master's Degree or Ph.D. by August 2024, in Computer and Information Technology, Cybersecurity, Computer Science, Computer Engineering, or a closely related field. Prior teaching experience and/or relevant industry experience is preferred.

Compensation

$90,000 - $105,000

Application Process

To join our esteemed faculty, please provide:

- A Cover Letter
- Curriculum Vitae (CV) with three references
- Teaching Statement
- Relevant Publications (optional)

All candidates must apply via SuccessFactors: *https://careers.purdue.edu/job-invite/28886/*

A background check is required for employment in this position.

For any queries, please connect with our search committee co-chairs: Dr. Kathryn Seigfried-Spellar at *kspellar@purdue.edu* or Dr. Byung-Cheol Min at *minb@purdue.edu*.

Affirmative Action

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

Purdue University

Professor of Engineering Practice/ Software

Faculty Position in the Elmore Family School of Electrical and Computer Engineering (ECE)

The Elmore Family School of Electrical and Computer Engineering (ECE) at Purdue University invites applications for a

non-tenure track Faculty of Engineering Practice position at the Assistant or Associate Professor level. Purdue University seeks to attract exceptional candidates with interests and expertise in any area of Computer Engineering related to software, including (but not limited to) software engineering, programming languages, secure and dependable software, software for mobile devices, software for distributed and networked systems, software for embedded systems, software system support for machine learning, and computing education.

Candidates must hold a Ph.D. or M.S. degree in Computer Engineering, Computer Science, or a related discipline by the employment start date, combined with at least 5 years of industry/open-source software experience. The successful candidate will be teaching and actively involved in the undergraduate curriculum, including traditional instruction (lecture courses, lab courses), management of large teams of teaching assistants, development of course contents, participation in the course and curriculum development, interaction with students and student teams, and delivery of online courses. Candidates should also integrate their professional practice with the Elmore Family School of Electrical and Computer Engineering's research, education, and/or engagement/outreach programs. The successful candidate will also perform service at the School, College, and University levels.

The Elmore Family School of Electrical and Computer Engineering is the largest academic unit at Purdue University and one of the largest in the nation with more than 120 faculty members (6 NAE members, more than 40 Fellows in multiple societies,) 2,000 undergraduate students (sophomores-seniors) and 1,300 graduate students. ECE is home to the NSF Network for Computational Nanotechnology (NSF NCN, nanoHUB), the SRC/DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and the Center for Innovation in Control, Optimization, and Networks (ICON). ECE faculty lead the Birck Nanotechnology Center and various research areas under two NSF Engineering Research Centers (ERCs). ECE's curriculum provides broad-based programs in electrical and computer engineering, including a concentration in software engineering. ECE's undergraduate programs in Electrical Engineering and Computer Engineering are ranked 8th and 7th, respectively. Its graduate programs are ranked 8th and 10th, respectively. And its online MS in ECE is ranked 1st in the nation.

The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. In particular, Purdue Engineering is ranked by U.S. News & World Report as 8th for undergraduate programs, 2nd for online graduate engineering programs, 4th for graduate programs (2nd among public universities), and 5th among universities in the world for utility patents (USPTO). The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

To apply, please submit application to this site *https://careers.purdue.edu/job-invite/28419/* including (1) cover letter (2) a complete curriculum vitae, (3) teaching plan, (4) research/engagement/outreach plan, and (5) names and contact information for at least 3 references, and, if applicable (6) verifiable teaching evaluations from prior teaching experiences. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at *coeacademicaffairs@purdue.edu*.

Review of applications will begin on October 30, 2023 and will continue until the position is filled. A background check is required for employment in this position.

Purdue and the College of Engineering have a Concierge Program that provides dual career assistance and relocation services.

Purdue University is an EOE/AA employer. All individuals, including minorities, women,

individuals with disabilities, and veterans are encouraged to apply.

Purdue University

Assistant Professor in Computer Animation

At Purdue University, the Department of Computer Graphics Technology (CGT) is one of six units in the Purdue Polytechnic Institute. It offers a BS and MS in Computer Graphics Technology and participates in the Polytechnic Institute PhD program. CGT balances undergraduate and graduate education

with a strong research and engagement agenda. For additional information, please see: *https://polytechnic.purdue.edu/cgt*. The department includes majors in game development, animation & visual effects, data visualization & web development, and UX design.

We are a research-intensive department focused on applied research informed by close engagement with industry. Our program is technically oriented, with post-graduation student placement primarily in the domains of technical art, technical animation, technical direction, and programming. Our alumni work successfully in the highest echelons of the animation and game industries.

The Department of Computer Graphics Technology (CGT) at Purdue University is seeking to fill a tenure-track Assistant Professor position in the area of Computer Animation on the West Lafayette, Indiana campus, beginning in August 2024.

Qualifications: A terminal degree in computer science, informatics, engineering, computational/digital media, or a relevant discipline completed by August 1, 2024. Pursuing interdisciplinary funded research, working with and teaching diverse groups of students is required.

Job Description: The faculty member will support the undergraduate majors in Animation & Visual Effects and Game Development, advise Master's and doctoral students, develop and conduct an actively funded research program, and provide service and engagement work. Research and teaching areas in computer and technical animation may include: intelligent virtual agents, expressive motion, physics-based simulation, neural motion (machine learning for animation), group and crowd behavior, creativity-support tools for animation, perceptual metrics and foundations of animation, motion and volume capture.

Duties: Commitment to scholarly activity, teaching, and the building of an active research program are required. Demonstrating active learning pedagogies, scholarly research, and funded activities for an active research program, teaching and developing graduate and undergraduate courses, and mentoring are expected.

Application Process: All candidates need to apply through the Success Factors link found here: *https://careers.purdue.edu/job-invite/29356/*.

Review of applications will begin no later than January 13, 2024, and will continue until the position is filled. Interested candidates are requested to submit a cover letter, CV, statement of teaching, research philosophy statement, and a list of three professional references with contact information.

A background check will be required for employment in this position.

Any questions about this position should be sent to the search committee chair:

Dr. Christos Mousas (*cmousas@purdue.edu*)

Department of Computer Graphics Technology
Polytechnic Institute
Purdue University

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

Rowan University

Lecturer in Computer Science Department

College of Science & Mathematics

The Department of Computer Science at Rowan University, the third fastest growing public research institution as recognized by The Chronicle of Higher Education, invites applications for Lecturer positions to begin September 2024. We seek candidates who are passionate about teaching and mentoring students at the undergraduate level. In addition to teaching responsibilities, successful candidates will be required to make meaningful and substantive service contributions to undergraduate and/or graduate programs, and to their department. Successful candidates will also be expected to participate in professional development to stay current in their content area and in evidence-based instructional approaches.

Lecturers are 10-months full-time, non-tenure track teaching faculty. Successful candidates will teach a total of 24 credits over two semesters, with an option to teach overload and summer classes for additional compensation. Lecturer positions are renewable, with expectations for continuing renewal of two, three, four, and then five years per contract.

Qualifications:

- A master's degree in Computer Science, or closely related discipline, is required; Ph.D. is preferred
- Evidence of excellence in teaching is required and student advising/mentorship experience is preferred.
- Strong interpersonal communication skills highly desired

Main Duties:

- Teach courses as determined by programmatic needs and based on individual expertise
- Provide services to department, college, and university, which may include but are not limited to the following
- Serve on department, college, and/or university-level committees
- Lead/facilitate/support various student-centric programs such as the Learning Assistant program, Peer Mentoring and co-op/internship programs
- Serve as a Faculty Mentor to CS students Lead or assist with the Academic Integrity initiative
- Coordinate courses in the program
- Advise for student organizations
- Assist with curricular development
- Assist with industry outreach and invited speaker talks
- Assist students with interview preparation (i.e., resume reviews, conducting mock interviews)
- Lead/assist with the departmental assessment process
- Assist the department with marketing its initiatives, including editing and publishing newsletter, disseminating announcements about various department events, etc.
- Lead/assist with the department entrepreneurial initiatives, helping students commercialize their projects
- Perform other duties at the discretion of the department

The Department of Computer Science is one of six departments in the College of Science & Mathematics and offers the following undergraduate and graduate programs:

- ABET-accredited B.S. and M.S. in Computer Science
- B.A. in Computer and Informatics
- B.A. in Computer Systems Technology
- M.S. in Cybersecurity
- B.S., M.S., and Ph.D. Data Science

Complete applications will include:

1. A letter of application
2. Current detailed CV
3. Statement of teaching philosophy that includes the candidate's commitment to inclusive teaching and mentoring practices
4. Graduate transcripts (unofficial copies acceptable for initial review)
5. Names and contact information for at least three references; confidential letters will be requested if an application is moved forward

Review of applications will commence on October 30, 2023, and continue until suitable candidates have been identified.

Applicants will need to submit the above materials via our online application system at *https://jobs.rowan.edu/en-us/job/498992/lecturer-department-of-computer-science*.

Questions may be directed to *CSsearch_lecturer@rowan.edu*

Rowan University

Tenure-Track Assistant Professor Position(s) in the Department of Computer Science

College of Science & Mathematics

The Department of Computer Science at Rowan University, the third fastest growing public research institution as recognized by The Chronicle of Higher Education, is seeking to hire one or more tenure-track faculty in the rank of Assistant Professor to begin their appointment in September 2024. This search is part of a broader, multi-year faculty hiring initiative across the College of Science & Mathematics.

Outstanding candidates with strong research interests in any area of Computer Science will be considered; the preferred research focus is Cybersecurity, Data Science, and closely related fields.

A Ph.D. in Computer Science, or in a closely-related field, is required. Preference will be given to candidates with a track record and/or potential to establish and sustain a strong research program. The successful candidates are expected to develop and maintain an active, highly visible, extramurally funded research program with outstanding

scholarship, teach at the undergraduate and graduate levels, and contribute to the various service endeavors in the Department, College, and University. Opportunities for collaboration exist within the Department, the College of Science & Mathematics, as well as with Cooper Medical School of Rowan University, Rowan University School of Osteopathic Medicine, Shreiber School of Veterinary Medicine, the Henry M. Rowan College of Engineering, and other colleges at the university.

The Department of Computer Science is one of six departments in the College of Science & Mathematics and offers the following undergraduate and graduate programs:

- ABET-accredited B.S. and M.S. in Computer Science
- B.A. in Computer and Informatics
- B.A. in Computer Systems Technology
- M.S. in Cybersecurity
- B.S., M.S., and Ph.D. Data Science

Complete applications will include:

Cover letter
2. Current detailed CV
3. Statement of research interests, including applicant's future research goals
4. Statement of teaching philosophy that includes the candidate's commitment to inclusive teaching and mentoring practices
5. Graduate transcripts (unofficial copies acceptable for initial review)
6. Names and contact information for at least three references; confidential letters will be requested if an application is moved forward

Review of applications will commence on October 16, 2023, and continue until suitable candidates have been identified.

Applicants will need to submit the above materials via our online application system at *https://jobs.rowan.edu/en-us/job/498993/tenuretrack-assistant-professor-positions-department-of-computer-science*

Questions may be directed to *CSsearch@rowan.edu*

Rowan University

Open Rank Tenure-Track Faculty Position(s) in the Department of Computer Science

College of Science & Mathematics

The Department of Computer Science at Rowan University, the third fastest-growing public research institution as recognized by The Chronicle of Higher Education, is seeking to hire one or more tenure-track faculty to begin their appointment in September 2024. This search is part of a broader, multi-year faculty hiring initiative across the College of Science & Mathematics.

Outstanding candidates with strong research interests in any area of Computer Science will be considered; the preferred research focus is Cybersecurity, Data Science, and closely related fields.

A Ph.D. in Computer Science, or in a closely-related field, is required. Preference will be given to candidates with a track record and/or potential to establish and sustain a strong research program. We anticipate hiring at the Assistant Professor level, but outstanding candidates may be considered at the Associate or Full Professor levels. The successful candidates are expected to develop and maintain an active, highly visible, extramurally funded research program with outstanding scholarship, teach at the undergraduate and graduate levels, and contribute to the various service endeavors in the Department, College, and University.

The Department of Computer Science is one of six departments in the College of Science & Mathematics and offers the following undergraduate and graduate programs:

- ABET-accredited B.S. and M.S. in Computer Science
- B.A. in Computer and Informatics
- B.A. in Computer Systems Technology
- M.S. in Cybersecurity
- B.S., M.S., and Ph.D. Data Science

Complete applications will include:

- Cover letter
- Current detailed CV
- Statement of research interests, including applicant's future research goals
- Statement of teaching philosophy that includes the candidate's commitment to inclusive teaching and mentoring practices
- Graduate transcripts (unofficial copies acceptable for initial review)
- Names and contact information for at least three references; confidential letters will be requested if an application is moved forward

Professional Opportunities

Review of applications will commence on October 16, 2023, and continue until suitable candidates have been identified. Applicants will need to submit the above materials via our online application system at *https://jobs.rowan.edu/cw/en-us/job/498923/open-rank-tenuretrack-faculty-positions-department-of-computer-science*.

Questions may be directed to *CSsearch@rowan.edu*.

Saint Louis University

Chair, Department of Computer Science

Saint Louis University (SLU) seeks an experienced and innovative leader to serve as Chair of the Department of Computer Science (CS) in the School of Science and Engineering (SSE). SLU is a Jesuit, private urban research university offering undergraduate and graduate programs to more than 15,000 students. CS has been growing exponentially in enrollment and faculty and is poised to be a major contributor to SLU's goal to become a Carnegie 1 research university.

Diversified Search Group is assisting SLU in this search. For more information, visit *https://diversifiedsearchgroup.com/search/20283-sluchaircs*

Saint Louis University is an affirmative action and equal opportunity employer.

Southern Illinois University Carbondale

Assistant Professor – Two Positions

The School of Computing Computer Science Program at Southern Illinois University Carbondale seeks applicants for two tenure-track Assistant Professor positions in the areas of core Artificial Intelligence Technology and/or Applied Artificial Intelligence, particularly on applications of the latest AI technologies in automated programming, agriculture, media, education, law and other domains, starting August 16, 2024.

Applications are currently being taken until the position is filled.

Duties: Teach courses at both the graduate and undergraduate levels; conduct high quality research and direct graduate student research; participate in activities that support the school's mission of teaching, research, and service.

Please apply at:

https://jobs.siu.edu/job-details?jobid=15975

Southern Illinois University Edwardsville

Full-time Tenure-Track Faculty, Assistant, Associate, or Full Professor

The Department of Computer Science in the School of Engineering is seeking to fill a full-time, tenure-track faculty position in support of a new cybersecurity program beginning with the Fall 2024 semester. A Ph.D. in computer science or related field is required. ABD candidates may be considered. All candidates must have a demonstrated interest in teaching and mentoring cybersecurity topics, developing and teaching classes for the new program, developing a quality research program, and attracting external research funding.

For more information visit:
https://www.siue.edu/employment/engineering/FY23-057.shtml

Stevens Institute of Technology

Non-Tenure Track Faculty Positions in Computer Science

The Department of Computer Science in the Charles V. Schaefer, Jr. School of Engineering and Science (SES) at Stevens Institute of Technology (Stevens) invites applications for two non-tenure-track, teaching faculty positions. The department especially seeks candidates with strong background in theoretical computer science, systems and security but will consider applications in all areas of computer science. Applicants must have earned a Ph.D. in computer science or a related discipline. The rank of the appointment will depend on experience and qualifications. Candidates are expected to have a strong commitment to excellence in teaching at both the graduate and undergraduate level. They are also expected to advise students, supervise them in research, and contribute to the intellectually vibrant, highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens.

Professional Opportunities

The Department of Computer Science is home to 37 full-time faculty members, including 20 hired in the last five years, and approximately 2300 undergraduate and graduate students. The number of Ph.D. students has grown by 50% in the last few years. As the fastest growing department at Stevens, we are the primary occupant of a new state-of-the-art academic building. Faculty research is supported by the NSF, DARPA NIH, NSA, ONR, and other federal and private funding sources. The Department is home to research labs in AI, machine learning, computer vision, big data analytics, programming languages, cryptography, computer security, and software systems, and is the main constituent of the Stevens Institute for Artificial Intelligence (SIAI), an interdisciplinary research center that brings together over 100 faculty members across the University.

Stevens Institute of Technology is a premier, private research university in Hoboken, New Jersey, overlooking the Manhattan skyline. Stevens prepares its more than 8,000 undergraduate and graduate students for an increasingly complex and technology-centric world, leveraging finance, computing, engineering and the arts to confront the most challenging problems of our time with innovative teaching and research. The university is in the top 1% nationally of colleges with the highest-paid graduates.

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

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

Applications will be accepted until the positions are filled. Application reviews will start in November 2023.

All applications must be submitted electronically at *https://academicjobsonline.org/ajo/stevens*. To apply, please submit a cover letter, curriculum vitae, a teaching statement that includes teaching interests and philosophy on inclusive classroom practices, and contact info for at least three references. For any questions, please contact the Search Committee Chair, Professor Eduardo Bonelli, at *ebonelli@stevens.edu*.

Stevens Institute of Technology

Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science in the Charles V. Schaefer, Jr. School of Engineering and Science (SES) at Stevens Institute of Technology (Stevens) invites applications for five tenure-track and tenured positions in all areas of computer science at the assistant, associate, and full professor ranks. Exceptional candidates will be considered for the additional role of David and GG Farber Chair.

This year our priorities are in systems, security, and human-centered computing, which are areas we plan to grow aided by enthusiastic new faculty. Strong candidates in all areas will be also considered. Our junior faculty are supported by formal and informal mentoring on all aspects of academic life, focusing on their success but also with an eye on work-life balance.

Applicants should have earned a Ph.D. in computer science or a related discipline. Candidates are expected to demonstrate a commitment to teaching and mentorship at both the undergraduate and graduate levels, including working with students

from underrepresented groups. Successful candidates will have the potential to develop an externally funded research program, supervise graduate students in research, and contribute to the highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens. Candidates applying at the rank of Associate or Full should have a track record of success in scholarship, funded research, teaching, mentoring, and contributing to diversity, equity, and inclusion.

Headquartered in a brand new, 65,000 square foot, state-of-the-art academic building, our department is home to innovative research labs on AI, machine learning, computer vision, big data analytics, programming languages, cryptography, computer security, and software systems. Our researchers are the core of the Stevens Institute for Artificial Intelligence, an interdisciplinary research center at the forefront of AI that brings together over 100 faculty members across the University.

The department has expanded rapidly in recent years and is the fastest-growing department at Stevens. It is currently home to 37 full-time faculty members, including 20 hired in the last five years, as well as approximately 2,300 motivated undergraduate and graduate students. The number of Ph.D. students has grown by 50% in the last few years; annual research expenditures of the 25 tenure and research track faculty are in the order of $4M, supported by $25.8M in active research awards from sponsors including the NSF, NIH, DARPA, ONR, and NSA. Recent awards include second place in the Alexa Grand Prize SocialBot Challenge in 2023, and first place in the global TCS CodeVita coding challenge in 2021.

Stevens Institute of Technology is a premier, private research university in Hoboken, New Jersey, overlooking the Manhattan skyline. Stevens prepares its more than 8,000 undergraduate and graduate students for an increasingly complex and technology-centric world, leveraging finance, computing, engineering and the arts to confront the most challenging problems of our time with innovative teaching and research. The university is in the top 1% nationally of colleges with the highest-paid graduates.

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

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

Applications will be accepted until the positions are filled. Review of applications will begin on December 1, 2022, and continue until the positions are filled.

All applications must be submitted electronically at *https://academicjobsonline.org/ajo/stevens*. To apply, please submit a cover letter, curriculum vitae, a research statement, a teaching statement that includes teaching interests and philosophy on inclusive classroom practices, and contact info for at least three references. For any questions, please contact the Search Committee Chair, Philippos Mordohai (*pmordoha@stevens.edu*).

Stevens Institute of Technology

Tenure-Track Assistant/Associate Professor of Analytics

The School of Business at Stevens Institute of Technology invites applications for a full-time tenure-track faculty position in Analytics. Appointments can be made

at the Assistant or Associate Professor ranks, commensurate with the individual's record and experience. The expected start date is September 2024. Preference will be given to candidates with a background in Business Applications of Big Data and Artificial Intelligence. Applications will be accepted until the position is filled.

Successful candidates will possess a PhD, or foreign equivalent, in Analytics, Information Systems, Computer Science, Management Science, or other related disciplines. The degree must be completed before September 2024. Experience in industry and/or government is a plus.

Analytics faculty at the School are active in research involving big data, management of AI, social media, social networks, sequential learning, collective intelligence, and financial technologies. Candidates are expected to complement and enhance the research activities of the school with their own scholarly activities, advise Ph.D. students, and are expected to publish in top journals of their field. Successful candidates are expected to teach in our graduate and undergraduate programs in Business Intelligence & Analytics, for example, Big Data Technologies, Big Data Analytics, and Web Analytics. New faculty are also expected to help develop new courses on relevant and high-demand topics, for example, Ethics and AI, Management of AI, and Cloud Computing. The university offers a competitive teaching load and excellent support for faculty research.

Application Procedure

Candidates should express their interest in being considered by applying via the following link: *https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Tenure-Track-Assistant-Associate-Professor-of-Analytics_RQ27499*

Please include a letter of application, CV, research statement, teaching statement, a job market paper or recent publication, and if possible, teaching evaluations. Applications without these documents will be considered incomplete and will not be reviewed. In a later stage, 3 letters of recommendation will be required. Applications will be accepted until the position is filled.

About the Organization

The School of Business is AACSB accredited and is ranked 53rd in the country by U.S. News & World Report. The School offers three PhD programs, two MBAs, eleven Master's degrees, and eight undergraduate majors. These offerings, many of which have been ranked among the best in the country, are across a wide range of business disciplines and share a common emphasis on leveraging technology, analytics, and leadership for business success. For more information, visit *www.stevens.edu/business*.

Swarthmore College

Visiting Assistant Professor

The Computer Science Department at Swarthmore College invites applications for multiple two-year Visiting Assistant Professor positions to begin fall 2024. Applicants must have or expect to have a Ph.D. in Computer Science or a related field by the position's start date. All areas of CS will be considered. Candidates in adjacent fields with a record of scholarship and teaching computer science will also be considered.

Instructions for applying to the position can be found on Interfolio: *http://apply.interfolio.com/137240*

Applications received by January 15, 2024 will receive full consideration.

Applications will be reviewed on a rolling basis until all positions are filled.

Texas Christian University

Two Computer Science Assistant/Associate Professors

The Department of Computer Science at Texas Christian University (TCU) invites applications for two **tenure-track assistant or associate professor** positions beginning Fall 2024. Applicants should have an earned Ph.D. in Computer Science or closely related field from an accredited institution by the start of the employment date. Applicants must have excellent verbal and written communication skills, and must have a strong commitment to teaching, research, and service.

Applicants specializing in all areas of computer science will be considered and are encouraged to apply. Women and minorities are especially encouraged to apply.

Applicants will be expected to teach a wide variety of courses at the undergraduate level and should be willing to supervise undergraduate

research projects. The position includes a competitive salary and benefits.

Here is the link to our ad.

https://jobs.tcu.edu/jobs/assistant-professor-computer-science-tcu-main-campus-texas-united-states

Texas State University

Assistant/Associate Professor

The Department of Computer Science invites applications for one tenure-track Assistant/Associate Professor position to begin in the fall of 2024.

We are seeking candidates to complement and enhance our research in artificial intelligence and machine learning, data science, computer security and networks, human-computer interaction, high-performance computing, and software engineering.

Job duties include conducting research that results in refereed publications and external funding, teaching effectively at the graduate and undergraduate levels, supervising student research, and serving at the department, college, university, and professional levels.

Only applications submitted through the Texas State University website will be accepted and considered: *https://jobs.hr.txstate.edu/postings/44564*

Tulane University

Professor of Practice Position in Computer Science

The Department of Computer Science at Tulane University invites applications for a Professor of Practice position beginning in Fall 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 12 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 February 1, 2024, and will continue until the position is filled.

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

University of Alberta

Tenure-Track Positions in AI/ML+Robotics

The *Department of Computing Science* at the University of Alberta, Canada, invites applications for multiple tenure-track positions (Assistant or, in exceptional cases, Associate Professor level), in specific areas of Artificial Intelligence (AI) and Machine Learning (ML).

The successful candidate will be nominated for a Canada CIFAR Artificial Intelligence (CCAI) Chair by the Alberta Machine Intelligence Institute (Amii). The CCAI Chair includes research funding for at least five years.

For more information about these job postings and how to apply, please visit:*https://www.careers.ualberta.ca/Competition/AI05052144/* for the positions in AI/ML+Robotics and visit *https://www.careers.ualberta.ca/Competition/AI05052143/* for the other positions in AI/ML.

University of Arizona

Assistant, Associate, or Full Professor Computer Science (Multiple Positions)

The Department of Computer Science at the University of Arizona invites applications for multiple tenure-track/tenured faculty positions in all areas of Computer Science and at all ranks. Two of the positions are expected to be in the general area of Artificial Intelligence, Machine Learning, and/or Data Science and are collaborative with the Applied Math and Statistics programs.

Professional Opportunities

The Department of Computer Science has a long history of research accomplishment, influential software distribution, and substantial external funding. The department currently has 19 tenure-track faculty, 12 teaching faculty, and a vibrant and growing Computer Science program. We expect continued growth of both the faculty and student populations in the years ahead. Current research areas include algorithms, bioinformatics, compilers, computational geometry, databases, high-performance computing, machine learning, natural language processing, networks, operating systems, security, computer vision, and visualization. The Computer Science department is in the College of Science, which includes other highly ranked departments such as Astronomy and Geosciences, with which Computer Science faculty actively collaborate.

As part of a Hispanic Serving Institution, the department is committed to addressing barriers in the field. We encourage applications from people who share our vision of bringing a transformational educational experience to our students and who are committed to anti-bias practices and mentoring under-represented students. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in their chosen fields.

The University of Arizona is located in the heart of Tucson, the second largest city in Arizona. The Tucson metro area has over one million people, has its own international airport, and is close to Phoenix with a population of over five million. Tucson is known for its stunning desert landscape. It is surrounded by saguaros and 4 mountain ranges and has ample opportunities for leisure activities, including amazing biking, hiking, rock climbing, horseback riding, and caving. Tucson is one of 49 UNESCO Cities of Gastronomy, and has a vibrant music and art scene.

Outstanding UA benefits include health, dental, and vision insurance plans; life insurance and disability programs; paid vacation, sick leave, and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; state and optional retirement plans; access to UA recreation and cultural activities; and more!

The University of Arizona has been recognized for our innovative work-life programs. For more information about working at the University of Arizona and relocations services, please visit *talent.arizona.edu*

Application link: *https://arizona.csod.com/ux/ats/careersite/4/home/requisition/17631?c=arizona*

Equal Opportunity Employer Minorities/Women/Vets/Disabled.

University of Arizona

Career-track (teaching) Faculty in Computer Science

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

Career-Track faculty positions offer a well-defined promotion path along two tracks.

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

Applicants for the Lecturer track must have earned an M.S. or Ph.D. in Computer Science or a closely-related discipline by the time of appointment. Applicants will be considered for appointment at the Lecturer, Senior Lecturer, or Principal Lecturer ranks based on experience and evidence of teaching quality and effectiveness.

As of Fall 2023, the Department of Computer Science has 31 faculty members, including 12 Career-Track faculty. The Department has a long history of excellent undergraduate and graduate instruction

and research accomplishment with a diverse and enthusiastic student body.

As part of a Hispanic Serving Institution, the department is committed to addressing barriers in the field. We encourage applications from people who share our vision of bringing a transformational educational experience to our students and who are committed to anti-bias practices and mentoring under-represented students. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in their chosen fields.

Among generous benefits, the university offers reimbursement for qualified childcare expenses, qualified tuition reduction for eligible family members, and 12 weeks of paid parental leave plus an additional 12 weeks of unpaid parental leave. The University of Arizona has been recognized for our innovative work-life programs.

The university is in Tucson, the heart of a metropolitan area of over a million people surrounded by four mountain ranges. Tucson boasts a warm desert climate, 350 sunny days per year, and a wide variety of outdoor activities including hiking, biking, rock climbing, and spelunking. Outside the rainforest, Tucson is reported to have the largest number of bird species in the world. Tucson is one of 49 UNESCO Cities of Gastronomy, and has a vibrant music and art scene.

To apply, complete an online application at the UA Human Resources website. The links for these positions can be found here: *https://bit.ly/48Zv2ja* and here: *https://bit.ly/3Q32RHB* . Be sure to include, as directed, (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names and contact information of at least three professional references.

The University of Arizona is an EO/AA employer-M/W/D/V. Equal Opportunity Employer Minorities/Women/Vets/Disabled.

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

University at Buffalo

Multiple Faculty Positions at Computer Science and Engineering

The Department of Computer Science and Engineering (CSE) at the University at Buffalo (UB) invites candidates to apply for multiple positions at various ranks. We are particularly looking for candidates who can operate effectively in a team environment and in a diverse community of students and faculty, as well as share our vision of helping all constituents reach their full potential. Review of applications for all positions will begin October 1, 20243 and continue until the positions are filled.

Multiple positions at the level of Assistant Professor, Associate Professor, or Full Professor.

The successful candidate will be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students at all levels, and maintain an active research program. The successful candidate for an Associate Professor or Full Professor position should also have a record of scholarly accomplishments, teaching experience, and a sustained externally funded research program. All areas of research expertise that complement the existing research strengths in the department will be considered. Preference will be given to candidates in the following areas: (1) Theory and Algorithms; (2) Security and Privacy; and (3) Programming Languages; but applicants in all areas of computer science and engineering are encouraged to apply.

Apply Here: *https://www.ubjobs.buffalo.edu/postings/45091*

Cluster Hire in Artificial Intelligence (AI)

Recognizing the transformative potential of AI, the School of Engineering and Applied Sciences (SEAS) at UB seeks applicants with a strong research background in AI for a multi-departmental faculty cluster that will engage collaboratively on a variety of shared problems that can benefit from the application of emerging data science tools. Appointment at all three levels (assistant, associate, and full professor) will be considered for the hire in CSE. Applicants should have a strong and demonstrated commitment to engagement in collaborative research and education. The successful candidate will also be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students at all levels, and maintain an active research program. The successful

candidate for an Associate Professor or Full Professor position should have a record of scholarly accomplishments, teaching experience, and a sustained externally funded research program.

More information here: *https://engineering.buffalo.edu/computer-science-engineering/news-and-events/employment-opportunities.html*

Assistant Professor of Teaching - Artificial Intelligence (AI) or Computer Systems (CS)

Candidates are invited to apply for the position of Assistant Professor of Teaching (Lecturer), with a focus on teaching Artificial Intelligence or Computer Systems at the Master of Science (MS) level. While the focus of this position is teaching at the MS level, lecturer duties generally include teaching and development of computer science and computer engineering courses at both the undergraduate and graduate level; service which may include student advisement; industry internships; laboratory and instrumentation upgrades; student excellence initiatives; program assessment and accreditation; diversity enhancement; and external educational grant support in collaboration with the CSE Undergraduate and Graduate Studies Committees.

Apply Here: *https://www.ubjobs.buffalo.edu/postings/44559*

Assistant Professor of Teaching-Lower division courses

Candidates are invited to apply for two Assistant Professor of Teaching (Lecturer) positions, with a focus on teaching lower-division courses, such as our CS1 and CS2 introduction to programming sequence, Discrete Structures, Data Structures, and Systems Programming. These courses are common to all our undergraduate programs and required of all our undergraduate students. While the focus of these positions is teaching lower division courses, lecturer duties generally include teaching and development of computer science and computer engineering courses at both the undergraduate and graduate level; service which may include student advisement; industry internships; laboratory and instrumentation upgrades; student excellence initiatives; program assessment and accreditation; diversity enhancement; and external educational grant support in collaboration with the CSE Undergraduate and Graduate Studies Committees.

Apply here: *https://www.ubjobs.buffalo.edu/postings/44972*

https://www.ubjobs.buffalo.edu/postings/44916

Assistant Professor of Teaching-Computer Engineering

Candidates are invited to apply for two Assistant Professor of Teaching (Lecturer) positions, with a focus on teaching required and elective courses in our ABET accredited BS Computer Engineering program, such as Digital Systems, Computer Organization, Real-time and Embedded Operating Systems, Computer Architecture, Microprocessors, and Hardware/Software Integrated Systems Design. While the focus of this position is teaching in the BS Computer Engineering, lecturer duties generally include teaching and development of computer science and computer engineering courses at both the undergraduate and graduate level; service which may include student advisement; industry internships; laboratory and instrumentation upgrades; student excellence initiatives; program assessment and accreditation; diversity enhancement; and external educational grant support in collaboration with the CSE Undergraduate and Graduate Studies Committees.

Apply here: *https://www.ubjobs.buffalo.edu/postings/44915*

https://engineering.buffalo.edu/computer-science-engineering/news-and-events/employment-opportunities.html

University of California, Irvine

Tenure-track/tenured faculty positions at the assistant, associate, or full rank

The Department of Computer Science at the University of California, Irvine (CS@UCI) invites applicants for two tenure-track/tenured faculty positions at the assistant, associate, or full rank starting on July 1, 2024.

Systems: This faculty search targets applicants with a research track record and interests in computer systems areas, including (though not limited to): Databases, Operating Systems, Storage, Distributed/Cloud, Networking, and Security/Privacy. *https://recruit.ap.uci.edu/JPF08641*

AI/ML: This faculty search targets applicants with research expertise in all aspects of artificial intelligence and machine learning, broadly interpreted. *https://recruit.ap.uci.edu/JPF08642*

Professional Opportunities

Assistant Teaching Professor - Lecturer with Potential Security of Employment in Human-Computer Interaction, Design (HCI)

The Department of Cognitive Science (https://cogsci.ucsd.edu) within the School of Social Sciences at the University of California, San Diego invites applications to apply for an Assistant Teaching Professor- Lecturer with Potential Security of Employment (LPSOE) in Human-Computer Interaction, Design (HCI).

The selected candidate is expected to provide outstanding teaching (for ~2 courses/quarter for 3 quarters/year), as well as to engage in professional activity (which could include research on pedagogy) and service related to the pedagogical mission of the department and university. This appointment confers membership in the Academic Senate, and, contingent upon promotion, tenure-paralleling security of employment. The Department is committed to academic excellence and diversity within the faculty, staff, and student body.

A reasonable salary range estimate for this position is $136,600 - $145,100.

Apply by **Thursday, January 18, 2024**, to ensure full consideration.

To view the complete posting with instructions on how to apply, please visit: https://apptrkr.com/4888845

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

University of Central Arkansas

Assistant Professor Positions in Computer Science/Software Engineering/ Cybersecurity/Data Science

The Department of Computer Science and Engineering at the University of Central Arkansas is seeking candidates for two tenure-track Assistant Professor positions in Computer Science/Software Engineering/Cybersecurity/Data Science beginning in August 2024. Currently, the department has 13 full-time faculty members and offers BS programs in Computer Science (accredited by the ABET CAC), Cybersecurity (accredited by the ABET CAC), and Data Science, as well as an MS program in Computer Science.

A doctorate in Computer Science, Software Engineering, Cybersecurity, Data Science, or a related discipline is required by the start date of the positions, but candidates nearing completion will also be considered. The successful candidates will teach in our student-centered undergraduate and graduate programs as well as engage in research and professional service.

Applicants should submit a cover letter, a curriculum vitae, statements of teaching and research, unofficial transcripts, and contact information for at least three references via *https://jobs.uca.edu/postings/14202*.

The review of applications will begin on February 1, 2024, and will continue until the positions are filled. For questions, contact the department chair at *ecelebi@uca.edu*. Additional information about the department is available at *https://uca.edu/cse*.

UCA is an EO/AA Employer.

University of Central Florida

Associate or Full Professor Lead, Genomics and Bioinformatics Cluster

The Faculty Cluster Initiative (FCI) at the University of Central Florida (UCF) is recruiting one 9-month tenured associate professor or professor who will serve as the lead for the Genomics and Bioinformatics Cluster (GBC) (*https://www.ucf.edu/research/genomics-bioinformatics/*). The GBC is looking for a proven leader to foster the continued expansion of research programs in genomics and bioinformatics that are enabled by next-generation sequencing technologies and that address one or more areas among molecular evolution, biodiversity, microbiome research

(environmental and plant/animal health), biological model systems, infectious diseases, translational applications for cancer, computational biology, systems biology, machine learning, and data mining. Strong candidates in other areas of genomics will also be considered.

An ideal candidate will have a strong background in genomics and bioinformatics, as well as computational approaches used to analyze large genomic datasets. The candidate should have demonstrable leadership experience, preferably with multidisciplinary teams, a strong research publication record, and demonstrated independent and interdisciplinary research funding.

The Genomics and Bioinformatics Cluster lead can join any of three tenure home departments – The Burnett School of Biomedical Sciences (College of Medicine), Biology (College of Sciences), or Computer Science (College of Engineering and Computer Science). Joint or secondary joint appointments among these departments is possible as appropriate to qualifications and interest. The cluster lead will be expected to develop a research program that strengthens their tenure home department and the cluster.

This position has an anticipated start date of August 8, 2024.

For more information and to apply, please click the link below: *https://ucf.wd1.myworkdayjobs.com/careers/job/Orlando-FL-Main-Campus/Associate-Professor-or-Professor-and-Cluster-Lead--Genomics-and-Bioinformatics-Cluster_R106132*

Equal Employment Opportunity Statement

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. 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 University of Central Florida is proud to be a smoke-free campus and an E-Verify employer.

University of Delaware

Tenure Track Faculty Position in Health (Computer and Information Sciences)

The University of Delaware, located between Washington, DC, and New York City, invites applications for an open-rank tenure track position. Areas of high interest include but are not limited to AI, machine learning, systems, computer vision, high-performance computing, human-centered computing, network science, and algorithms with a particular focus on applications in health (e.g., computational biomedicine, biomedical data science and imaging, disease modeling, and simulation). Outstanding candidates in all areas will also be considered. The position will have a primary appointment in the Department of Computer and Information Sciences (CIS) and a possibility of a secondary appointment in either the Biomedical Engineering (BME) Department or the Electrical and Computer Engineering (ECE) Department. Applicants should hold a Ph.D. or its equivalent in a relevant field. Recent Ph.D. graduates and postdocs are strongly encouraged to apply.

Applications should include a cover letter indicating the rank applied for, a comprehensive CV including a list of 3 to 5 references with contact information, a statement on research, and a statement on teaching. Questions may be addressed to the search committee chair, Dr. Lena Mashayekhy (*mlena@udel.edu*). Review of applications will continue until the position is filled.

Full Description - *https://careers.udel.edu/cw/en-us/job/500729/tenure-track-faculty-position-in-health-computer-and-information-sciences*

University of Florida

Associate Professor (Tenure Track) of Computer Science and Engineering

The Herbert Wertheim College of Engineering at the University of Florida invites applications for a full-time, tenure-track or tenured faculty position at the rank of Associate Professor in the Department of Computer & Information Science & Engineering in the areas of Computer Science and Engineering.

The *Department of Computer & Information Science & Engineering* provides a vibrant, multidisciplinary, and highly collaborative

environment, and is consistently ranked among the top departments for both graduate and undergraduate programs. This department is among the largest CISE departments in the nation, with 57 faculty members and over 5,000 graduate and undergraduate students. Research is central to the success of the program, and new faculty will be expected to initiate and sustain strong sponsored research and graduate training programs. The department has consistently been ranked in the top 25 programs in computer engineering, among graduate engineering public universities in the US.

The department provides an integrated computer science and engineering education addressing a wide spectrum of computing areas, including AI/machine learning, algorithms, bioinformatics, computational complexity, compilers, computer architecture, computer networks, cybersecurity, databases, human-centered computing, operating systems, programming languages, software engineering, etc. New faculty will be expected to continue the tradition of both developing and teaching courses at the undergraduate and graduate level. Eligible applicants must have a PhD or equivalent in Computer Science or a related field.

The search committee will begin reviewing applications immediately and will continue to receive applications until the position is filled.

All applications must be submitted through UFCareers at: *https://explore.jobs.ufl.edu/en-us/job/528747/*

Complete applications must include the following files in PDF format: (1) cover letter, (2) a curriculum vitae (including a 1-page CV highlights); and (3) the names, phone numbers, and email addresses of five references. Additional required/supplemental documents should be uploaded as one PDF to the "other documents" selection in the application. (4). Research program vision statement with a focus on how those plans will support the Department, College and University. (5). Teaching statement. (6). Up to three representative journal articles (co-) authored by the applicant. The anticipated start date is August 16, 2024 with some flexibility based on individual needs. For additional questions, please contact the Faculty Search Chair at *prabhat@ufl.edu*

The University of Florida is the flagship campus of the State of Florida university system and is ranked as the #6 best public US university according to US News and World Report and #1 best public US university in the Wall Street Journal. UF recently announced a $70 million artificial intelligence partnership with NVIDIA to create an AI-centric data center that houses the world's fastest AI supercomputer in higher education. It is also one of the few campuses where engineering, medical, and veterinary schools are located together on the main campus to facilitate leading edge clinical and translational research. The Herbert Wertheim College of Engineering, which has over 300 faculty members, is implementing a major expansion of faculty and state-of-the-art research and education facilities. This includes the newly constructed 84,000 sq ft Herbert Wertheim Engineering Laboratory Building that includes state of the art biotech laboratory to engineer solutions to overcome the most challenging diseases and disorders, and the Engineering Research Service Centers that houses the most advanced materials characterization tool suite in the southeast. For more information about the college, please visit *https://www.eng.ufl.edu/*

The final candidate will be required to provide an official transcript to the hiring department upon hire. A transcript will not be considered "official" if a designation of "Issued to Student" is visible. Degrees earned from an educational institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES).

The University of Florida is an equal opportunity institution dedicated to building a broadly diverse and inclusive faculty and staff. The University of Florida is An Equal Employment Opportunity Institution. If accommodation due to a disability is needed to apply for this position, please call 352/392-2477 or the Florida Relay System at 800/955-8771 (TDD). Hiring is contingent upon eligibility to work in the US. Searches are conducted in accordance with Florida's Sunshine Law. The University of Florida is committed to nondiscrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions

or affiliations, genetic information, and veteran status in all aspects of employment including recruitment, hiring, promotions, transfers, discipline, terminations, wage and salary administration, benefits, and training.

University of Hawaii at Manoa

Assistant/Associate/Full Professor (Hardware Systems for ML/AI-Driven Sensor Data Acquisition)

The University of Hawaii at Manoa, Department of Electrical and Computer Engineering (ECE) invites applications for a full-time tenure-track faculty position at the Assistant, Associate or Full Professor level, pending position clearance and availability of funds, to begin approximately on August 1, 2024. Candidates should have a strong research record at the intersection of hardware design for sensor signal acquisition and machine learning (candidates are expected to have experience in both areas). Candidates with cross-disciplinary strengths are particularly encouraged to apply.

Inquiries can be forwarded to Boris Murmann at *bmurmann@hawaii.edu*

For additional position details or to apply, please visit,*https://www.schooljobs.com/careers/hawaiiedu/jobs/4240117/assistant-associate-full-professor-hardware-systems-for-ml-ai-driven-sensor-data?pagetype=jobOpportunitiesJobs*

University of Hawaii at Manoa

Assistant Professor (Control or Communications Intersecting with AI)

The UHM Department of Electrical and Computer Engineering (ECE) invites applications for a tenure-track faculty position at the Assistant Professor level, to begin approximately on August 1, 2024. Candidates should have a strong research record in the areas of control or communication. We are particularly interested in candidates who work on the intersection of control/communications and machine/statistical learning and AI. Successful candidates will teach a range of graduate and undergraduate courses in probability, linear systems, control, signal processing, communications, machine learning, and similar topics.

To view full position details and application, please visit: *https://tinyurl.com/Cont-CommCRA*

Contact Narayana Santhanam (*nsanthan@hawaii.edu*) for inquiries.

University of Illinois Chicago

Open Rank Tenure Track Faculty - Computer Science

About the University of Illinois Chicago

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

Description:

Position Summary
Located in the heart of vibrant Chicago, the UIC CS department anticipates hiring multiple tenure track faculty at all ranks starting from Fall 2024 (with preference for candidates at the Assistant and Associate Professor ranks). Candidates from all areas of computer science who could complement and enhance current departmental strengths are invited to apply. Augmented/Virtual Reality, Computational Biology, Computer Graphics, Computer Vision, Computer Systems, Cryptography, Databases, Languages and Compilers, Robotics,

Software Engineering, and related areas are of particular interest. Candidates should have a PhD in Computer Science, Computer Engineering, or closely related fields, and the potential for excellence in teaching and research.

Applications must be submitted at *https://jobs.uic.edu/*, and must include a 1-page cover letter, curriculum vitae, teaching, research, and diversity statements, and names and addresses of at least three references. Links to professional websites such as Google Scholar or ResearchGate are recommended. Applicants may contact the faculty search committee at *cs-tt-search@uic.edu* for more information.

Applications should be submitted by December 15, 2023, for fullest consideration. Applications will be accepted until the positions are filled.

Computational biology applicants are expected to work in areas related to biology, such as proteins, genomics, networks, cancer, and drug discovery, using computational methods such as machine learning and statistical modeling, and should describe how their work relates to existing activities at the Center for Bioinformatics and Quantitative Biology (CBQB) in their application materials.

The Department of Computer Science at UIC has 44 tenure-system faculty, 4 research faculty, and 24 clinical/teaching faculty. The department is committed to building a diverse faculty preeminent in its missions of research, teaching, and service to the community. Candidates who have experience engaging with a diverse range of faculty, staff, and students, and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Construction of a new building housing the UIC Computer Science department is under way; the building is expected to open in 2024. The building will include 80 faculty offices, graduate student offices, 16,000 square feet of classroom space, and many collaborative learning and teaching spaces.

UIC is a major public research university (Carnegie R1) with about 2,600 faculty and 33,500 students. UIC is committed to increasing access to education, employment, programs, and services for all. UIC is committed to supporting the success of dual-career couples.

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

Duties: Teach, Conduct Research, Mentor Students

Qualifications: PhD in Computer Science, Computer Engineering or closely Related Field and the Potential for Excellence in Teaching and Research.

The University of Illinois at Chicago is an affirmative action, equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, protected veteran status, or status as an individual with a disability.

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

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

Qualifications:

Minimum Qualifications

PhD in Computer Science, Computer Engineering or closely Related Field and the Potential for Excellence in Teaching and Research

The University of Illinois System is an equal opportunity employer, including but not limited to disability and/or veteran status, and complies with all applicable state and federal employment mandates.

Please visit Required Employment Notices and Posters to view our non-discrimination statement and find additional information about required background checks, sexual harassment/misconduct disclosures, COVID-19 vaccination requirement, and employment eligibility review through E-Verify.

The university provides accommodations to applicants and employees. Request an Accommodation

University of Illinois

Teaching Track Faculty - Computer Science

About the University of Illinois Chicago

UIC is among the nation's preeminent urban public research universities, a Carnegie RU/VH research institution, and the largest university in Chicago. UIC serves over 34,000 students, comprising one of the most diverse student bodies in the nation and is designated as a Minority Serving Institution (MSI), an Asian American and Native American Pacific Islander Serving Institution (AANAPSI) and a Hispanic Serving Institution (HSI). Through its 16 colleges, UIC produces nationally and internationally recognized multidisciplinary academic programs in concert with civic, corporate and community partners worldwide, including a full complement of health sciences colleges. By emphasizing cutting-edge and transformational research along with a commitment to the success of all students, UIC embodies the dynamic, vibrant and engaged urban university.

Recent "Best Colleges" rankings published by U.S. News & World Report, found UIC climbed up in its rankings among top public schools in the nation and among all national universities. UIC has nearly 260,000 alumni, and is one of the largest employers in the city of Chicago.

Description:

Teaching Track Faculty in Computer Science

The Computer Science Department at the University of Illinois Chicago (UIC) seeks to hire full-time teaching faculty (Lecturer or Clinical Professor). Candidates would work alongside 24 full-time teaching faculty with over 150 years of experience and 14 awards for excellence. Standard teaching load is three course sections per semester. Additionally, our teaching faculty participate and often lead efforts in shared governance and committees, curriculum decisions and development, and computer science education at a local and national level.

Qualifications:

Minimum Qualifications

The Clinical Professor track is a long-term career track that starts with Clinical Assistant Professor and offers advancement to Clinical Associate and Clinical Full Professor. Minimum qualifications include a PhD in Computer Science or a closely related field. Teaching is the primary focus for clinical faculty, but there are also opportunities for research. The Lecturer track is a long-term career track that starts with Lecturer and offers opportunities for advancement to Senior Lecturer. Minimum qualifications include an MS in Computer Science and significant teaching experience. The department seeks candidates interested in all areas of computer science, but in particular systems and software engineering.

Submit applications online at *https://jobs.uic.edu*.

Include:

- A curriculum vitae,
- Contact information for at least three references,
- One-page statement on your teaching philosophy and how it is inclusive to a diverse student population.

For more information, send an email to *shanon@uic.edu*.

For fullest consideration, apply by 10/18/23.

Applications will be accepted and reviewed until the positions are filled.

The University of Illinois at Chicago is a Minority Serving Institution, an HSI, and an AANAPISI. UIC is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We are committed to equal employment opportunity regardless of race, color, national origin, sex, religion, age, sexual orientation, gender identity, Veteran, or disability status. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in

compliance with the Fair Credit Reporting Act. The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment.

For more information, see the UI HR website: *https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899*

The University of Illinois System is an equal opportunity employer, including but not limited to disability and/or veteran status, and complies with all applicable state and federal employment mandates. Please visit Required Employment Notices and Posters to view our non-discrimination statement and find additional information about required background checks, sexual harassment/misconduct disclosures, COVID-19 vaccination requirement, and employment eligibility review through E-Verify. The university provides accommodations to applicants and employees. Request an Accommodation

University of Konstanz

Full Professorship in Data Analytics and Computational Statistics

The University of Konstanz is one of eleven Universities of Excellence in Germany. Since 2007 it has been successful in the German Excellence Initiative and its follow-up program, the Excellence Strategy.

The Department of Computer and Information Science seeks to fill the position of a

Full Professorship in Data Analytics and Computational Statistics (Salary level W 3)

The start date is April 1, 2025 or by agreement.

The successful candidate designs and develops novel methods and techniques in the intersection of statistics, scientific computing, and data analytics. A close connection of these fields to applications in economics, political science, psychology, or sociology is expected. The holder of the position takes a leading role in the interdisciplinary Master's program in Social and Economic Data Science (SEDS).

Further information on the advertised position can be found *here*.

We look forward to receiving your application with the usual documents (curriculum vitae, publication list, a list of courses taught, a list of grants with funding amount and awards, statements on current research topics, future research directions and interests as well as on teaching) until January 31, 2024 via our *Online Application Portal.*

University of Maine

Chair of Electrical and Computer Engineering

The Department of Electrical and Computer Engineering (ECE) at the University of Maine, the flagship R1 campus, invites applications for the position of Department Chair. The department is part of the Maine College of Engineering and Computing (MCEC), which is a statewide, integrated college bringing together the natural synergies of engineering disciplines and computing and provides the technical workforce and innovations that are critical to moving our economy forward.

The successful candidate will bring outstanding leadership and administrative skills to the department and has a strong record in teaching and research and an articulated vision for the future of the research enterprise and teaching capabilities of the department that align with the University's Strategic Vision and Values.

The University of Maine is an equal opportunity/affirmative action institution.

For more information: *https://umaine.hiretouch.com/job-details?jobID=83348&job=chair-of-electrical-and-computer-engineering*

University of Maryland, Baltimore County (UMBC)

Department of Information Systems

Multiple Tenure-Track Faculty Positions

The Department of Information Systems (IS) at UMBC invites applications for four tenure-track faculty positions starting August 2024. One of these positions are at assistant professor level and the other three are open rank. One open rank position is preferably in the area of human centered

computing and the other open rank position is preferably in the area of data or business analytics, and the other two positions are in any area that will complement and extend our current strengths, including but not limited to AI, data science, human centered computing, health informatics, software engineering, and computer education. More information about research interests of our faculty can be found at *https://informationsystems.umbc.edu/home/research/*. Candidates with research interests cross-cutting multiple areas are particularly encouraged to apply. Candidates must have earned a Ph.D. in related fields no later than August 2024. We are particularly interested in receiving applications from individuals who are members of groups that historically have been under-represented in the professoriate, and individuals who are willing to contribute to the diversity mission of the university and the department.

More information about the position and application requirements are available at *http://apply.interfolio.com/133068*.

Candidates' experience will be evaluated commensurate to the rank to which they are applying. For inquiries, please email to *is_faculty_search_2023@umbc.edu*. An informational webinar will also be held Tuesday November 28th at 5pm Eastern. If you are interested in the webinar, please register at *https://forms.gle/9A3TQeGvCLygauiz5*. Review of applications will begin in late December 2023 and will continue until the position is filled.

UMBC is an Affirmative Action/Equal Opportunity Employer and welcomes applications from minorities, women, veterans, and individuals with disabilities.

University of Maryland, Baltimore County

Open Rank Tenure Track Positions in Electrical, Optical or Computer Engineering

The Department of Computer Science and Electrical Engineering (CSEE) at the University of Maryland, Baltimore County (UMBC) invites applications for multiple open rank, tenured/tenure-track positions across all areas of Computer and Electrical Engineering including but not limited to VLSI/ASIC/FPGA, hardware security and trust, neural computation device and circuits, intelligent autonomous ystems, semiconductor, photonic-integrated-circuits, anotechnology, signal processing and sensing systems, 5G/6G wireless systems and biomedical engineering to begin in the Fall of 2024. Applicants should have or be completing a Ph.D. in a relevant discipline, have a strong research record with the potential to develop a funded research program, have a strong commitment to undergraduate and graduate teaching, and have a strong commitment to diversity and inclusive excellence. Candidates will be expected to build and lead a team of student researchers, obtain external research support, and teach both graduate and undergraduate courses.

We are committed to inclusive excellence and innovation and welcome applications from women, minorities, veterans, and individuals with disabilities. UMBC is an affirmative action/equal opportunity employer.

The CSEE department is research-oriented and multi-disciplinary with programs in Computer Engineering, Electrical Engineering, Computer Science, Data Science, and Cybersecurity. The College of Engineering and Information Technology at UMBC crosses the boundaries of engineering, computing, and information disciplines to develop research and educational programs that engage faculty, students, and staff from all of the disciplines. UMBC is a Carnegie Research I Institution that is leading the world in inclusive excellence in research and teaching. We are redefining how to teach, and we are one of the most innovative universities in the nation, according to US News.

Applicants should submit a cover letter, a statement of research experience and interests, a statement of teaching experience and interests, a statement of commitment to diversity and inclusive excellence, a CV, and three letters of recommendation at *http://apply.interfolio.com/132913*

For full consideration, please submit application materials by February 1, 2024. Applications will be accepted until the position is filled.

Please send questions to *jobsTT@csee.umbc.edu* and see *http://csee.umbc.edu/jobs* for more information.

Professional Opportunities

University of Massachusetts Amherst

TT & NTT Faculty Positions

The Manning College of Information & Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for multiple tenure track (TT) and non-tenure track (NTT) faculty positions.

TT Faculty, with a focus on Data Management

TT Faculty, with a focus on Robotics

NTT Full-Time & Part-Time Teaching Faculty

Public Interest Technology Pathways Director

TT Associate Dean of Diversity & Inclusion

Rank and salary will be highly competitive and commensurate with qualifications and experience. For more information and to submit an application, please visit *https://cics.umass.edu/jobs*. If you wish to be considered for more than one opening, please submit an application for each one.

CICS is home to academic programs that are ranked among the top twenty-five in the nation by U.S. News & World Report and among the top twenty by CS Rankings. Following a decade of tremendous growth, CICS currently has 88 core faculty, including 20 ACM Fellows, 11 IEEE Fellows, and 36 NSF CAREER Award winners. The college's new building, slated to open in the spring of 2025, is being designed to accommodate its growth and serve as a hub for community, collaboration, and research. More information about the college and its revolutionary vision for computing research and education can be found at *cics.umass.edu*.

The University of Massachusetts Amherst is an Affirmative Action/ Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Dartmouth

Teaching Professor - Computer & Info Science Dept

The Department of Computer and Information Science (CIS) in the College of Engineering at the University of Massachusetts Dartmouth invites applications for a Teaching Professor position in the areas of artificial intelligence, software engineering, computer game design or related field in computer science starting in September 2024. The appointment level will be made commensurate with experience. This is a 9-month, non-tenure-track position with primary responsibilities for undergraduate and graduate classroom and online instruction, undergraduate advising, and university service. More information about the CIS Department can be found at *https://www.umassd.edu/engineering/cis/*

Candidates must have earned a master's degree in computer science or closely-related field at the time of employment, have experience with teaching at the college level, possess excellent communication skills, demonstrate a strong commitment to teaching excellence as well as diversity and inclusion, and be authorized to work in the U.S. on a full-time basis. Strong candidates will have a PhD degree in computer science or closely-related field, documented success in teaching at the college level, experience with both classroom and online modes of instruction, and research and development experience in computer science.

Further information and application instructions are available at *http://www.umassd.edu/hr/employmentopportunities/*

University of Memphis

Assistant/Associate Professor

The Data Science Center at the University of Memphis is seeking candidates for Assistant/Associate Professor position(s) beginning Fall 2024. Qualified candidates in all areas of data science and related fields such as Computer Science and Statistics are invited. Successful candidates are expected to develop externally sponsored research programs, lead or participate in collaborative research projects within Data Science and beyond, teach both undergraduate and graduate courses and provide academic advising to students at all levels. Candidates from minority and underrepresented groups are highly encouraged to apply.

Applicants should hold a Ph.D. in Data Science, Computer Science, or a related discipline, and be committed to excellence in both research and teaching a diverse

student body. Salary is highly competitive and dependent upon qualifications. We particularly welcome candidates from groups that are historically underrepresented in our field and/or have demonstrated leadership toward building an equitable and inclusive scholarly environment.

The Data Science Center and related programs (*www.memphis.edu/datascience*) offers an M.S. program and is anticipated to offer undergraduate and Ph.D. programs. In addition, Data Science faculty work closely with other departments and multidisciplinary centers at the university such as the Institute for Intelligent Systems (IIS). The University of Memphis is a top-tier research university with a Carnegie R1 designation.

Known as America's Number 1 logistics hub, Memphis has been ranked as one of the "World's Greatest Places" by TIME, as America's 4th best city for jobs by Glassdoor, and 4th in "Best Cost of Living". Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees.

Screening of applications will begin on November 1, 2023, and new applications will continue to be reviewed until the search is completed.

To apply, please visit *https://workforum.memphis.edu/postings/37976*. Include a cover letter, curriculum vitae, teaching and research statements, and three letters of recommendation.

A background check will be required for employment. The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

University of Memphis

Assistant Professor Computer Science - Tenure Track

The Department of Computer Science at the University of Memphis is seeking candidates for Assistant Professor position(s) beginning Fall 2024. Qualified candidates in all areas of computer science are invited, while candidates with core expertise in AI/ML (including computer vision, deep fakes, LLM, and robotics), software engineering, theory/algorithms, quantum computing, and cybersecurity are particularly encouraged to apply. Successful candidates are expected to develop externally sponsored research programs, lead or participate in collaborative research projects within Computer Science and beyond, teach both undergraduate and graduate courses, and provide academic advising to students at all levels. Candidates from minority and underrepresented groups are highly encouraged to apply.

Applicants should hold a Ph.D. in Computer Science, or a related discipline, and be committed to excellence in both research and teaching for a diverse student body. Salary is highly competitive and dependent upon qualifications. We particularly welcome candidates from groups that are historically underrepresented in our field and/or have demonstrated leadership toward building an equitable and inclusive scholarly environment.

The Department of Computer Science (www.memphis.edu/cs) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance. The Department has been ranked 55th among CS departments with federally funded research. The Department regularly engages in large federally-funded collaborations across the nation. For example, CS faculty lead the NIH-funded mDOT Biomedical Technology Resource Center and the Center for Information Assurance (CfIA). In addition, CS faculty work closely with multidisciplinary centers at the university such as the Institute for Intelligent Systems (IIS).

The University of Memphis is a top-tier research university with a Carnegie R1 designation.

Known as America's Number 1 logistics hub, Memphis has been ranked as one of the "World's Greatest Places" by TIME, as America's 4th best city for jobs by Glassdoor, and 4th in "Best Cost of Living". Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees.

Screening of applications will begin on November 26, 2023, and will continue until the search is concluded.

To apply, please visit *https://workforum.memphis.edu/postings/38315*. Include a cover letter, curriculum vitae, teaching and research statements, and three letters of recommendation.

Professional Opportunities

University of Michigan

Post-Doc in Natural Language Processing (NLP)

Research Fellow Job#240982

Position available immediately in the LAnguage Understanding and generatioN researCH (LAUNCH) group at the Artificial Intelligence Laboratory, CSE, University of Michigan, Ann Arbor. Under supervision of Dr. Lu Wang, PostDoc will have the opportunity to work on a wide variety of NLP topics including (but not limited to): narrative understanding, natural language generation, and AI alignment.

Responsibilities include performing research, publishing the results, providing technical guidance on projects for graduate and undergraduate students, and assisting in research proposal writing. Interested candidates should visit *https://web.eecs.umich.edu/~wangluxy/* for more information on the research group and current projects.

PhD in CS or related fields, with demonstrated interest in NLP is required. Submit a statement of interest, CV, two representative publications and two contacts (one is PhD advisor) who can provide references for the applicant. Must possess valid work authorization and pass a background screening if selected. Salary range - $70,000-$75,000.

The University of Michigan is an equal opportunity/affirmative action employer.

University of Minnesota Duluth

Tenure-track Computer Science Position

The Department of Computer Science in the Swenson College of Science and Engineering at the University of Minnesota Duluth (UMD) invites applications for a tenure-track Assistant Professor position that will begin on August 19, 2024. This is a full-time, 9-month position. The successful candidates will establish a robust, independent, and externally funded research program, which includes mentorship of undergraduates and graduate students. The area of specialization for this position is open and all areas are encouraged to apply. However, we are particularly eager to hire colleagues who will strengthen our newly established healthcare robotics initiative. Additionally, our Department is interested in supporting research scholars whose research contributes to diversity, inclusivity, and equity. The successful candidate will have teaching responsibilities in our lecture and laboratory courses. They will also contribute to graduate and undergraduate teaching, advising, and mentoring, while supporting diversity, inclusion, and a commitment to justice. Service to the Department, College, and University is also expected. Candidates must have a Ph.D. in computer science or a closely related field by July 1, 2024. Please see *https://z.umn.edu/scsecareers* for more information.

The Department of Computer Science is committed to providing engaging and contemporary learning environments for all students interested in the profession of computer science. Students work closely with our faculty on a wide array of multidisciplinary research topics and participate in opportunities to extend the reach of computer science in the community. The Bachelor of Science in Computer Science degree is accredited by the Computing Accreditation Commission of ABET (*www.abet.org*). The M.S. degree, a two-year program in Computer Science, provides a solid foundation in research and applications in Computer Science.

The University of Minnesota Duluth values of justice, equity, diversity, and inclusion are essential to achieving excellence. We are especially interested in recruiting and retaining a diverse faculty to maintain the excellence of the Department, College, and University, and to offer students interdisciplinary perspectives and varied ways of knowing and learning. We strongly encourage scholars who are women, Indigenous, LGBTQIA+, Black, Latin American, Asian American, Hawaiian/Island Pacific, or mixed race, and scholars with disabilities to apply. We favor candidates who can contribute to the College's distinctive educational objectives, which promote intercultural understanding with social responsibility and the ethical implications of knowledge and action.

We recognize that excellence in teaching and research form the basis for any successful candidate. To that end, we are implementing an anonymized search process. See *https://z.umn.edu/scsecareers* for a description of the application steps. Applications must include four documents: an anonymized

research and teaching statement that is understandable to a non-specialist (recommended 2000 words/5 pages max); a statement that demonstrates a commitment to justice, equity, inclusion, and a diverse student population (1000 words/2 pages max); a curriculum vita; and a list of four professional references. Please refer to the Computer Science-specific application screening rubrics. Go to the University of Minnesota Job Site and search for Job ID 357831.

Review of complete applications will start on October 27 and continue until the positions are filled. Please direct questions about these positions to Dr. Peter A. H. Peterson (*cssearch2023@d.umn.edu*), chair of the Computer Science Search Committee.

The University of Minnesota Duluth campus is the second largest research university within the University of Minnesota public university system. UMD is a comprehensive university of about 9,000 students located along the shores of Lake Superior. Duluth is the largest city in northern Minnesota and is part of the Twin Ports metropolitan area (Duluth, MN and Superior, WI). The Twin Ports area hosts four colleges/universities, two major hospitals, many retail and manufacturing companies, and the largest commercial port on the Great Lakes. Duluth has vibrant music, theater, and arts scenes, and a steadily increasing number of craft breweries and award-winning restaurants. Duluth offers affordable housing, an absence of appreciable traffic, and mixes its historic feel with a dynamic urban economy and many cultural offerings. Named by Outdoor Magazine as one of America's Best Outdoors Towns, Duluth provides access to hundreds of miles of biking, hiking, and skiing trails and abundant opportunities for fishing, kayaking, and sailing.

UMD is committed to supporting our colleagues. The University of Minnesota has a robust policy with respect to opportunity hires for partners. Parental leaves and on-campus childcare are available. The Swenson College of Science and Engineering has a mentoring program to facilitate professional success. Swenson College Howard Higholt Professorships are also available to support outstanding tenure-track faculty who are committed to creating a more inclusive and equitable institution; please follow the nomination instructions to apply for the Howard Higholt Professorship.

University of Mississippi

Tenure-Track Faculty Position

The Department of Computer and Information Science in the School of Engineering at the University of Mississippi invites applications for a tenure-track faculty position at the Assistant or Associate Professor level. Applicants must hold a Ph.D. or equivalent in Computer Science or a closely related field by the time of appointment. Applicants must be able to teach various undergraduate and graduate computer science courses, contribute to developing the Department's growing emphases in computer security, conduct research in related areas, and supervise M.S. and Ph.D. students. Candidates with an established record of teaching and research will be considered for an Associate Professor rank. The Department has an ABET/CAC-accredited undergraduate program and M.S. and Ph.D. programs. Visit *http://www.cs.olemiss.edu* for more information about the Department.

Applicants must apply online at *https://careers.olemiss.edu*, supplying the following documents: a cover letter, a curriculum vitae, research and teaching statements, and three references with email addresses and phone numbers. Combine the documents into a single PDF and upload it in the resume or cover letter slot. Review of applications will begin immediately and continue until the position is filled or an adequate applicant pool is reached. For additional information, contact Dr. Byunghyun Jang at *bjang@olemiss.edu*.

University of Missouri

NTT Teaching Professor - Data Science & Analytics

The University of Missouri Institute for Data Science and Informatics (IDSI) is accepting applications for a 9-month non-tenure track (NTT) Teaching Professor (all ranks) of Data Science and Analytics in our nationally recognized Fortune top 10 Data Science & Analytics Online Master of Science Degree program (*https://dsa.missouri.edu*).

This position will teach four sections of graduate level data science and analytics courses per semester in online and on-campus formats.

Qualifications:

- A Ph.D. in Data Science, Data Analytics, Computer Science, Informatics, Applied Statistics, or closely related field required
- Demonstrated teaching data science and analytics using computational tools
- Experience with big data ecosystems
- Familiarity with on-line and in-seat instruction for on-campus classes

Apply here: *https://erecruit.umsystem.edu/psc/tamext/COLUM/HRMS/c/HRS_HRAM_FL.HRS_CG_SEARCH_FL.GBL?[...]&FOCUS=Applicant&SiteId=9&JobOpeningId=49318&PostingSeq=1&*

University of New Haven

Lecturer – Non-Tenure Track - Data Science

Tagliatela College of Engineering

The Department of Electrical and Computer Engineering & Computer Science at the University of New Haven seeks qualified candidates for a lecturer position in Data Science. Successful candidates will have a Ph.D. degree, or an M.S. degree with significant experience, in data science, informatics, computer science, or a related field. Candidates must demonstrate effective communication skills and a commitment to excellence in teaching. The expected start date is January 2024; a fall 2023 start may be negotiable.

See *http://apply.interfolio.com/135844* for a full position description

University of North Carolina at Greensboro

Assistant Professor of Computer Science

Position Number: 999406

Fall 2024 Search

The University of North Carolina at Greensboro (UNCG) seeks applications for one tenure-track position at the rank of Assistant Professor in the Department of Computer Science starting August 1, 2024. We seek candidates with exceptional potential on research and teaching. Applicants with research focus on Human-Computer Interaction and Virtual Reality are preferred, but those whose research can build upon the department's current research strengths, including algorithms, artificial intelligence, machine learning, data analytics, databases, data mining, foundations of computer science, image processing, networking, and security are also encouraged to apply. We will also consider applications from excellent candidates in other areas of computer science.

The Department of Computer Science at UNCG is a thriving department with an established, ABET- accredited B.S. degree program, an active M.S. degree program and a new Ph.D. program established in Fall 2022. The department is experiencing rapid enrollment growth in recent years, currently has 9 research-active tenured and tenure-track faculty members, as well as lecturers and part-time faculty. For more information on the Computer Science Department at UNCG, visit the Department's web page at *http://compsci.uncg.edu/*.

UNCG is a public coeducational, doctoral-granting residential university chartered in 1891, classified by the Carnegie Foundation as a "Doctoral University: Higher Research Activity." UNCG is a Minority Serving Institution, with an undergraduate population of 56% ethnic minority students. UNCG and the Department of Computer Science foster an environment of collaboration across departments and schools and support community-engaged research. UNCG is proud of the diversity of its student body and we seek to attract an equally diverse applicant pool for this positions. UNCG is located in a metropolitan area of more than 1.7 million residents in the Piedmont region of North Carolina, between the Atlantic Ocean and the Appalachian Mountains.

UNCG is an EOE/Affirmative Action/M/F/D/V employer and is strongly committed to increasing faculty diversity. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran.

If you have a disability that requires related accommodations in the application and interview process, please email us at *askeeo@uncg.edu*. Final candidates are subject to criminal & sex offender background checks. If highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified prior to start date.

UNCG participates in E-Verify. Federal law requires all employers to verify the identity

and employment eligibility of all persons hired to work in the United States.

Candidates must hold or anticipate receiving a Ph.D. in Computer Science or a related discipline by August 1, 2024.

The following documents are required for the application:

- Curriculum vitae
- Application or cover letter
- Research statement
- Teaching statement
- Contact information of four professional references

To apply, please submit the documents through UNCG SpartanTalent at *https://spartantalent.uncg.edu* and click on "Tenure Stream Faculty" to find the appropriate job posting. You may direct your informal inquiries to Dr. Jing Deng, Department of Computer Science, University of North Carolina at Greensboro, Greensboro, NC 27402 (*cssearch@uncg.edu*).

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

University of North Florida

Assistant Professor

The School of Computing at the University of North Florida (UNF) is hiring two (2) tenure-earning positions at the assistant professor rank, to begin August 2024. All areas of research will be considered. Special consideration may be given to applicants whose current or future research plans include areas of computing with applications in Financial Technology (FinTech). Salary is negotiable.

Review of applications will begin November 27, 2023, and continue until position is filled.

You must apply online at *www.unfjobs.org* and submit all required documents to be considered an applicant for this position.

UNF is an Equal Opportunity/Equal Access/Affirmative Action Institution.

University of Oklahoma

Assistant Professor in Computer Science (Computational Biology)

As part of a sustained, multiyear, strategic growth initiative, the School of Computer Science in the Gallogly College of Engineering (GCoE) at the University of Oklahoma (OU) seeks applications for an assistant professor position in the area of computational biology/bioinformatics with a targeted start date of Fall 2024. We seek candidates whose research, teaching, and service have prepared them to be integral contributors to the advancement of our welcoming community. The candidates who fill this position should look to support OU's strategic research verticals on the Future of Health and Community & Society Transformation; be prepared to engage in multi-college, multi-campus research; and be capable of dealing with large, complex data from areas such as healthcare and medicine, including furthering collaborations between the School of Computer Science and the OU Health Sciences Center and the Oklahoma Medical Research Foundation. We welcome applicants with research interests including structural bioinformatics, molecular phylogenetics and evolution, sequence variations, biological network analysis, and computational modeling.

Required Qualifications

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

See *https://apply.interfolio.com/118439* for details.

University of Oklahoma

Director, School of Computer Science

The School of Computer Science at the University of Oklahoma invites applications for an open rank, 12-month full-time Director with a start date of Fall 2024. We seek candidates who will provide leadership and vision to lead the School to a new level. The School of Computer Science is growing rapidly in size and impact. It has 24 *faculty* from a wide variety of backgrounds, more than 800 undergraduate students, and over 140 graduate students. It has vibrant research and teaching programs that are aligned with OU's *strategic plan* and is a key partner in OU's world-

class *Data Science and Analytics Institute*. The School is housed in the Gallogly College of Engineering and has an ABET-accredited BS program in Computer Science and also offers MS and PhD degrees.

Our faculty has nearly doubled in size, from 13 to 24, in the last 6 years, thanks to deep institutional support to the School of Computer Science. With a continued commitment to graduating more computer scientists and engineers, we expect to continue to grow over the next five years. With an annual research expenditure of $6.3M, and $9M in new awards in FY23, the School is second in research funding in the Gallogly College of Engineering. Our research expenditures have grown from $1.4M to $6.3M in the last 3 years, with explosive growth expected in the near future due to an influx of 11 talented new faculty in the last four years and collaborations within and across academic disciplines. The School is experiencing rapid growth in student enrollment, an increase of almost 27% (from around 660 to 840) in the last 3 years. The main research groups in the School consist of machine learning, bioinformatics, cybersecurity, networking, and visualization.

For details of the position and application procedure, please check out *https://apply.interfolio.com/135817*

University of Oregon

Assistant Professor of Computer Science

The Department of Computer Science (CS) at the University of Oregon is accepting applications for four tenure-track Assistant Professor positions to start in the Fall of 2024. We are looking for candidates specializing in Systems, Theory, and Artificial Intelligence/Machine Learning, with each area having a broad scope. The successful candidates will be responsible for establishing a top-tier research program, delivering graduate and undergraduate courses with excellence, and contributing to university service and public outreach.

To apply, candidates should submit their materials online at *https://academicjobsonline.org/ajo/jobs/26081*. These materials should include a cover letter, curriculum vitae, research statement, teaching statement, DEI statement, and names and contact information for at least three references (the letters from these references are not required unless requested, at a later stage in the process). We will begin reviewing applications starting November 30, 2023 and continue throughout the academic year until positions are filled. If you encounter difficulties using the online application system, please contact *faculty.search@cs.uoregon.edu* to make alternative arrangements for submitting your application materials.

We are dedicated to building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment. In your DEI statement, please include information about how you plan to contribute to this goal. Feel free to describe past experiences mentoring minorities, women, or members of other underrepresented groups. We strongly encourage applications from scholars from historically excluded or targeted groups, including historically excluded racial or ethnic groups; women, transgender, and non-binary scholars; scholars with disabilities; and LGBTQIA+ scholars.

Minimum Qualifications

Ph.D. in Computer Science or a closely related field by the time of appointment. A strong research track record with top-tier publications in the research field of interest.

Preferred Qualifications

Promise of developing a strong research program in their area; demonstrated success in collaboratively building organized spaces of inclusive excellence; exemplary evidence of a commitment to advancing diversity, equity, and inclusion through research, teaching, and service.

University of Oregon

Assistant Professor of Data Science

We enthusiastically invite multiple interdisciplinary researchers to join our newly established Department of Data Science as tenure-track faculty colleagues. We invite applications from researchers working in Data Science, broadly defined, including those working in other domains who contribute to data analysis methodology for that domain (e.g., methods and/or applications of artificial intelligence, machine learning, statistical inference, computational/applied mathematics, data visualization, etc) as well as those whose research focuses directly on the methodology itself (e.g., computer science or statistics). We are building the Data

Science department to center justice, diversity, equity, and inclusion (JDEI), in our department's research, teaching, and organization. Strong faculty candidates will therefore have demonstrated impactful contributions to JDEI. We encourage applications from candidates with a history of collaboration with domain experts.

Strong candidates will have excellent research scholarship; as befits an inclusive, interdisciplinary department, we are open to various metrics of research success beyond grants, citations, and publications (including policy impact, community engagement in research, collaborative projects, et cetera). Strong candidates will have demonstrated excellence in and commitment to teaching, translation of knowledge, or advising/mentoring of students (including out-of-classroom education). We are excited to grow a mutually supportive culture of impactful teaching and research in our new department. We seek candidates who are enthusiastic to help develop our department culture of inclusive excellence, and have demonstrated this through past service. We welcome candidates who understand the barriers facing members of groups who have been historically excluded from data science and higher education (as evidenced by life experiences and educational background), and who have experience in JDEI with respect to teaching, mentoring, research, outreach, life experiences, or service towards building an equitable and diverse scholarly environment.

More information about the Data Science department can be found at *https://scds.uoregon.edu/ds*. Particular strengths of collaborative research at UO include environmental science, ecology, evolution, linguistics, cell and developmental biology, sport and wellness, earth science, and spatial information sciences.

University of South Alabama

Assistant/Associate Professor of Cybersecurity, Assistant/Associate Professor of Computer Science (multiple), Instructor in Computer Science

The University of South Alabama School of Computing seeks to fill multiple faculty positions beginning as early as January 1, 2024. Tenure-track applicants for the Assistant/Associate Professor of Cybersecurity position must hold a Ph.D. in Information Technology, Information Systems, or a closely related field.

Applicants for the Assistant/Associate Professor of Computer Science positions must hold a Ph.D. in Computer Science or a closely related field. Applicants for the Instructor in Computer Science position must possess an MS in Computer Science or a closely related field.

For more information and application instructions visit *https://www.southalabama.edu/departments/academicaffairs/facultyposition.html*.

University of South Florida

Computer Science and Engineering

The University of South Florida invites applications for tenure-track positions at all ranks

Applications are invited for multiple tenured/tenure-track positions at all ranks in the Department of Computer Science and Engineering. Preference will be given to candidates in strategic research areas with high potential for funding from federal funding agencies, including NSF, NIH, DoD, DARPA, etc. This includes, but is not limited to, programming languages, software engineering, systems, networking, AR/VR, human-centered computing, social networks, cybersecurity (including AI applied to cybersecurity), and other high societal impact areas with a broad set of interested funding agencies. All candidates should have an established record of high-quality research publications at top venues, a commitment to excellence in teaching, and a willingness to collaborate with others in the department. Candidates for senior-level (Associate/Full Professors) positions should also have an established research program with current funding. We expect successful candidates to contribute to our broadening participation in computing initiative consistent with federal funding agency expectations. Candidates must have completed a PhD in computer science or a related discipline by the start time of the position. Affiliation with the USF Institute for Artificial Intelligence + X is possible for candidates with research areas that meet institute needs. The Institute for AI + X is a university-wide research and education center for AI with a focus on collaboration across disciplines. Successful candidates could start in Fall 2024.

Computer Science and Engineering, at the only metropolitan public AAU university in Florida, has 34 tenure-track/

tenured faculty members, 14 full-time instructional faculty, 2 professors of practice, and 7 staff members/advisors, and offers BS, MS, and PhD degrees, serving over 2600 undergraduates, 200 masters, and about 100 PhD students. USF CSE has a strong working relationship with *CyberFlorida*. CSE faculty ranks include eleven NSF CAREER awardees, one National Academy of Inventors (NAI) Fellow, three IEEE Fellows, three IAPR Fellows, three AAAS Fellows, and three AIMBE Fellows. USF CSE is in the top 15% of Computer Science departments in US public and private universities. This ranking is according to the most recent Academic Analytics data based on Scholarly Research Index AAD2021 using default weights for grants, articles, conferences, awards, and citations. For the fiscal year 2021-2022, CSE had $4.5 million in research expenditures with funding from NSF, NIH, IARPA, US Army, and industry.

Established in 1964 and currently led by Dean Robert H. Bishop, the College of Engineering at the University of South Florida is ranked #56 among public institutions (#85 overall) by *U.S. News & World Report's 2023-2024 engineering graduate school rankings*. The college serves more than 7,500 students, offering 11 bachelor's programs, nine of which are ABET-accredited, as well as 13 master's and eight doctoral degrees. The college is actively engaged in local and global research activities with $42.9 million in research expenditures for the fiscal year 2021-2022. The college has 12 major research centers and institutes and is actively engaged in local and global research activities focused on cybersecurity, sustainability, biomedical engineering, artificial intelligence, and transportation.

The University of South Florida, a high-impact research university dedicated to student success and committed to community engagement, generates an annual economic impact of more than $6 billion. With campuses in Tampa, St. Petersburg and Sarasota-Manatee, USF serves approximately 50,000 students who represent nearly 150 different countries. For four consecutive years, U.S. News & World Report has ranked USF as one of the nation's top 50 public universities, including USF's highest ranking ever in 2023 (No. 42). In 2023, USF became the first public university in Florida in nearly 40 years to be invited to join the Association of American Universities, a prestigious group of the leading universities in the United States and Canada. Through hundreds of millions of dollars in research activity each year and as one of top universities in the world for securing new patents, USF is a leader in solving global problems and improving lives. USF is a member of the American Athletic Conference. Learn more at *www.usf.edu*.

An application package should include a cover letter, curriculum vitae, statements describing research and teaching experience and goals, and the names and contact information of at least three references (one of which must be the current immediate supervisor of the applicant). Applicants must electronically submit the application packet as one PDF file to: *https://www.usf.edu/work-at-usf/careers*. For consideration, please apply to the appropriate position level (Assistant Professor search Job ID #35136, Associate Professor search Job ID #35137, Full Professor, search Job ID #35138). Applications will be considered starting immediately until the positions are filled.

USF is an equal opportunity, equal access academic institution that embraces diversity in the workplace. The University of South Florida does not discriminate on the basis of age, disability, genetic information, national origin, pregnancy, race/color, religion, sex, sexual orientation, gender identity, or any other unlawful basis. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272 at least five working days in advance.

Pursuant to Title IX, USF does not discriminate on the basis of sex in education programs or activities that it operates. Such protection extends to students, employees, admission, and employment. Questions or inquiries concerning the application of Title IX may be referred to the Title IX Coordinator or to the U.S. Assistant Secretary for Civil Rights. The most current contact information for the USF Title IX Coordinator and resources can be found on the USF Title IX webpage at *www.usf.edu/title-ix* .

Professional Opportunities

University of Southern California

(Open Rank) Assistant, Associate, Full Professor of Computer Science

Viterbi School of Engineering

Faculty

Los Angeles, California

The Thomas Lord Department of Computer Science (*http://cs.usc.edu*) at the USC Viterbi School of Engineering (*https://viterbischool.usc.edu/*) is in a period of significant and sustained faculty growth.

We have multiple openings for tenure-track and tenured positions. While outstanding candidates at all ranks from all areas of computer science will be considered, candidates with research interests in the following areas are especially encouraged to apply: security and privacy; AI, machine learning, and data science; and HCI. In addition to stellar junior candidates in these areas, the department, as part of its growth strategy, is keenly interested in strong, dynamic mid-career and more senior-level candidates with interests in building up the department's profile in these areas.

The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women; individuals of African, Hispanic and Native American descent; veterans; and individuals with disabilities. Candidates committed to advancing diversity, equity, and inclusion through research, teaching, and service are strongly encouraged to apply.

We are looking for candidates with a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

Applicants should submit their applications online here (*https://usccareers.usc.edu/job/los-angeles/open-rank-assistant-associate-or-full-professor-of-computer-science/1209/56719670192*).

Applications must include a cover letter indicating the applicant's area of specialization, a detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applications must also include a statement describing the applicant's relevant experience and approach on fostering an environment of diversity and inclusion.

Applications should be submitted by January 5, 2024. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 199 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, the Institute for Creative Technologies, two previously awarded National Science Foundation Engineering Research Centers and Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The School is affiliated with the USC Stevens Center for Innovation. Research expenditures typically exceed $183 million annually. With 50 tenure-track, 26 research faculty, and 14 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

The annual base salary range for the following faculty ranks in this posting are:

Assistant Professor:
$120,750.00 - $147,000.00
Associate Professor:
$147,000.00 - $178,500.00
Professor:
$178,500.00 - $246,750.00

When extending an offer of employment, the University of Southern California considers factors such as (but not limited to) the scope of responsibilities of the position, the candidate's work experience, education/training, key skills, internal peer equity, federal, state and local laws, contractual stipulations, grant funding, as well as external market and organizational considerations.

The USC Viterbi School of Engineering is committed to enabling the success of dual career families and fosters a family-friendly environment. USC is an equal opportunity, affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.

Professional Opportunities

University of Tennessee at Chattanooga

Assistant Professor of Cyber Security

The Department of Computer Science and Engineering at the University of Tennessee at Chattanooga invites applications for the position of Assistant Professor, Cyber Security, with an anticipated starting date of January 1 or August 1, 2024.

Details of requirements can be found at *https://ut.taleo.net/careersection/utc_faculty/jobdetail.ftl?job=2300000IYP*.

Applications must be submitted electronically through the above UTC Faculty Career Site. Review of applications will begin immediately and continue until the position is filled. Preference will be given to those qualified candidates who apply by October 15, 2023.

The University of Tennessee Chattanooga is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution.

The University of Texas Southwestern Medical Center

Peter O'Donnell Jr. School of Public Health

Position Description

The University of Texas Southwestern Medical Center is seeking Assistant Professor(s) in Data Science for the Peter O'Donnell Jr. School of Public Health and the Quantitative Biomedical Research Center (QBRC). Successful applicants will have a PhD in Computer Science, Engineering, Statistics, or a related field. While not required, candidates with prior experience in Medical Imaging Analysis, Machine Learning/AI, Causal Inference, or Genomics will receive preference.

Application Instructions

Apply via *https://jobs.utsouthwestern.edu* and search for job number 707306

The application package should include:

- A cover letter accompanied by curriculum vitae (CV)
- Three-page research statement (organized as approximately a one-page summary of past research work and a two-page summary of future plans).
- At least 3 references.

Important Dates

Applications received by December 31, 2023 will be considered in the first round of evaluation. However, evaluation will continue until the positions are filled.

Questions

Contact Professor Song Zhang, O'Donnell School of Public Health: *song.zhang@utsouthwestern.edu*

University of Toronto

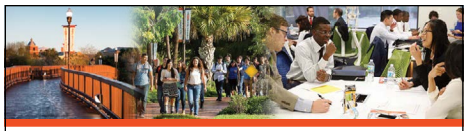
Multiple tenure-stream positions

The *Department of Computer Science* at the University of Toronto invites applications for multiple positions with appointments commencing on July 1, 2024, or shortly thereafter.

Individuals are encouraged to apply to all relevant positions.

For the most up-to-date information, including deadlines, application instructions, and new postings, please visit *https://web.cs.toronto.edu/employment-opportunities* or contact *recruit@cs.toronto.edu*.

We are accepting applications for tenure-stream positions in:



The University of Texas Rio Grande Valley

Assistant Professor of Instruction Computer Science

The University of Texas Rio Grande Valley's Department of Computer Science invites applications for a non-tenure track **Assistant Professor of Instruction.**

The position is a 3-year appointment, renewable based on favorable annual evaluations and budget availability.

The Department of Computer Science offers degree programs with over 1000 students enrolled, including a forthcoming Ph.D. program.

For priority consideration, applications must be received by February 1, 2024.

Applications will continue to be reviewed until positions are filled.

Applicants must hold a doctorate in Computer Science or a related field and be dedicated to delivering high-quality undergraduate and graduate instruction and mentorship, as well as actively engaging in program administration, curriculum development, and educational research.

To apply, visit :
https://apptrkr.com/4891774

Professional Opportunities

All areas of Computer Science (UTSG, Assistant Professor/Associate Professor /Full Professor) Applicants should endeavour to submit all materials, including reference letters, by **November 15, 2023**, when we will start reviewing applications. However, we will give full consideration to all applications submitted by the closing date of **January 3, 2024**.

The University of Toronto is an international leader in research and education in computer science. Our faculty teach, conduct research, and live in one of the most diverse metropolitan areas in the world.

The Department of Computer Science spans three campuses at the University of Toronto: *Department of Computer Science, University of Toronto St. George* (UTSG); *Department of Computer and Mathematical Sciences, University of Toronto Scarborough* (UTSC); or *Department of Mathematical and Computational Sciences, University of Toronto Mississauga* (UTM).

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

Diversity Statement

The University of Toronto embraces Diversity and is building a culture of belonging that increases our capacity to effectively address and serve the interests of our global community. We strongly encourage applications from Indigenous Peoples, Black and racialized persons, women, persons with disabilities, and people of diverse sexual and gender identities. We value applicants who have demonstrated a commitment to equity, diversity and inclusion and recognize that diverse perspectives, experiences, and expertise are essential to strengthening our academic mission.

University of Utah

Assistant Professor (Lecturer) in Engineering for Games

The Division of Games at the University of Utah is seeking to hire a teaching faculty member at the rank of assistant professor (lecturer) with an interest in and knowledge of the technical and/or engineering aspects of game development. This position will begin in Fall 2024 and is a Career-Line Faculty position (research optional, non-tenure track) within the University's established promotion structure intended to be a long-term position with a renewable contract and multi-year appointments.

Candidates must hold a Ph.D. or other terminal degree in a technical field (e.g., Computer Science, Informatics). The successful candidate will share our vision of the power that games hold to transform players, groups, and society. The Division values candidates who have a clear interest in helping to build the division as an academic community as we grow in size and breadth of disciplinary strength in games. 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 populations.

Responsibilities include teaching broad-based undergraduate classes, engineering-oriented graduate courses, as well as project-based studio courses, often in collaboration with other Games faculty. Experience in game development with industry-standard processes, tools, and platforms, is highly desirable. Successful candidates are expected to support the teaching mission of the Division through excellence in teaching, curriculum development, and advancement of teaching approaches in games. The faculty member is also expected to perform service at the program, university, and professional level.

The Division of Games is a world leader in games education, with consistently top-ranked programs at both the undergraduate and graduate levels. The Utah Games faculty includes artists, computer scientists, designers, games studies scholars, and social scientists who all work together to design and teach our courses. To advance our mission, we have received significant new support from the Office of the President and are in the process of building major new program strengths in both teaching and research/creative scholarship. Interested applicants can visit *https://games.utah.edu/pressplay/* for more information on all our current positions and the role they will play in the growth of our program on campus and beyond.

The Division is committed to recruiting, welcoming, and supporting a diverse community of undergrad and graduate students, postdocs, scientists, staff, and faculty. We are also committed to

addressing lifestyle priorities and will work with candidates to develop opportunities for partners and family members. If you are interested in joining us to build a culture of academic excellence, to create ideas that advance our understanding of games, to share those ideas with our students, our community, and society, and to apply those ideas to change society for the better, we strongly encourage you to apply.

The University of Utah is a Carnegie Research I institution located in Salt Lake City nestled in the foothills of the Wasatch Mountains. With thriving arts and food scenes, and an exploding high technology sector, Salt Lake City offers a unique mix of urban life juxtaposed with access to remarkable national parks, ski resorts, hiking and climbing, some just minutes away from downtown.

Please apply here: *https://utah.peopleadmin.com/postings/155835*

University of Utah

Assistant Professor in Technical Games Research (AI, XR, HCC)

The Division of Games at the University of Utah invites applications for a tenure-track Assistant Professor position in Technical Games Research to begin Fall 2024. We seek applicants with expertise in at least one of three technical games research areas:

1. Artificial Intelligence (AI);
2. eXtended Reality (XR) including Virtual (VR), Augmented (AR), and Mixed Reality (MR);
3. Human-Centered Computing (HCC).

The successful candidate will share our vision of the power that games hold to transform players, groups, and society. This position is part of a significant, multi-year commitment for faculty growth in the Division of Games.

Note: we are committed to recruiting, welcoming, and supporting a diverse community of undergrad and graduate students, postdocs, scientists, staff, and faculty. We are also committed to addressing lifestyle priorities and will work with candidates to develop opportunities for partners and family members.

Necessary qualifications:

Applicants must hold a Ph.D. in a technical discipline (e.g., computer science, cognitive science, informatics) at the time of hire. Candidates must be able to demonstrate strong potential for impact, scholarly productivity, leadership, and commitment to the teaching and mentoring of undergraduate and graduate students.

Preferred qualifications:

Preference will be given to candidates who have a clear interest in shaping the future of our unit as a scholarly community toward a vision of sustainable growth and disciplinary breadth in games. We would be excited to see candidates prepared to contribute to our commitment to diversity and inclusion, especially those with experience in working with diverse populations across research, teaching, and/or service.

About the Division:

The Division of Games is a world leader in games education, with consistently top-ranked programs at both the undergraduate and graduate levels. The Utah Games faculty includes artists, social scientists, games studies scholars, designers, and computer scientists who collectively work together on the mission to push the boundaries of what is possible in games. This diversity of backgrounds is one of the core elements within our identity. We strongly value inter- and transdisciplinary approaches to research and education, and seek to foster collaboration across the University of Utah. Currently, our faculty sustain ongoing collaborations with the School of Medicine, the Colleges of Education, Humanities, and Science, and other campus partners. Additionally, we maintain strong collaborations with the vibrant local game development community and other significant game industry-wide partners.

Our unit is committed to removing systemic barriers that have been traditionally encountered from underrepresented groups, and we strive to recruit and support faculty who will further University-wide initiatives for inclusive excellence and belonging. Interested candidates may view examples of how this commitment is exemplified within our unit by visiting *https://games.utah.edu/equity-diversity-inclusion/*.

We have recently received significant support from the Office of the President to advance our mission. This job opportunity is an integral first step within our plan to expand our program strengths in teaching and research/creative scholarship. To learn more

about our PRESS PLAY Initiative, please visit *https://games.utah.edu/pressplay/*.

If you are interested in joining us to build a culture of academic excellence; to create ideas that advance our understanding of games; to share those ideas with our students, communities, and society; and to apply those ideas to change the world for the better, we strongly encourage you to apply.

About the University of Utah:

The University of Utah is a Carnegie Research I institution located in Salt Lake City, nestled in the breathtaking foothills of the Wasatch Mountains. With thriving arts and culinary scenes, and an exploding high technology sector, Salt Lake City offers a unique mix of urban life juxtaposed with access to remarkable national parks, ski resorts, hiking and climbing, and more, just minutes away from campus.

Please apply here: *https://utah.peopleadmin.com/postings/156040*

University of Washington ECE

Assistant Professor Tenure Track

The Department of Electrical & Computer Engineering invites applications for four tenure-track positions. We are hiring in all areas of ECE, including integrated circuits and systems, computer engineering, control systems and robotics, devices, power and energy systems, signal processing, machine learning, data science, and engineering education.

Hires will be made at the Assistant Professor rank (Tenure-track). The positions are full-time, multi-year appointments with 9-month service periods and with an anticipated start date of September 1, 2024.

UW ECE offers an innovative, collaborative and inclusive environment in which our faculty and students succeed at finding impactful solutions to today's challenges. 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.

We look forward to learning how the applicant's experience and future plans for teaching, research, and service would support our commitment to diversity and inclusion.

The University is building a culturally diverse faculty and staff and strongly encourages applications from women, underrepresented minorities, individuals with disabilities and covered 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. Moreover, the 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.

All University of Washington faculty are expected to engage in teaching, research, and service.

The base salary range for this position will be $14,000-$16,000 per month, commensurate with experience and qualifications, or as mandated by a U.S. Department of Labor prevailing wage determination.

Qualifications

Applicants for tenure-track and tenure-eligible positions must have earned a doctorate (or foreign equivalent) in Electrical Engineering, Computer Engineering, Applied Physics or related field, by the date of appointment.

Application Instructions

To ensure full consideration of your application, applications received prior to November 15, 2023 will take priority. Applications will only be accepted via Interfolio: *apply.interfolio.com/131716*

Please provide pdf files for the following requested materials:

1. Cover letter indicating interest and fit with the position.
2. A current curriculum vitae.
3. Three letters of reference to be submitted by the letter writers.
4. A research statement that includes your vision for research for the next 5 years and the potential for research collaboration and impact (4 page limit).
5. A statement of teaching and education interests, experience, and/or philosophy that includes future plans to effectively develop and deliver educational

materials, attract and mentor graduate students, and engage the broader community (2 page limit).

6. A statement of diversity, equity, and inclusion (DEI) that addresses the candidate's perspective on and experience with DEI, as well as future plans for addressing diversity, equity, and/or inclusion in their research, teaching, and service efforts (2 page limit).

Follow the application link for more information on the requested materials.

For any administrative issues or inquiries related to the search, please contact *assist_to_chair@ece.uw.edu*. For technical issues, please contact Interfolio staff at 877-997-8807 or *help@interfolio.com*.

University of Waterloo

Faculty Opening in Information Systems / Data Science

The Department of Management Science and Engineering in the Faculty of Engineering at the University of Waterloo invites individuals with research and teaching interests at the interface of Information Systems (IS), Data Science, and Machine Learning to apply for tenure-track faculty position in our department with an anticipated start date of July 1, 2024.

Applicants should hold a PhD or be near completion of their doctorate and have demonstrated research and teaching potential in computer science, information systems, or related fields. The successful applicant is required to have an engineering license for practice (full) or teaching (limited) in Canada, or to apply for a Canadian engineering license within the first year of joining the University

The salary range at the rank of Assistant or Associate Professor is CAD $120,000 to $160,000. Negotiations beyond this salary range will be considered for exceptionally qualified candidates.

To see the full job posting and instructions to apply please visit: *https://uwaterloo.ca/engineering/faculty-opening-information-systems-data-science-machine*

University of Wisconsin-Whitewater

Assistant Professor - Tenure-Track - Computer Science

The Department of Computer Science in the College of Letters and Sciences at the University of Wisconsin-Whitewater, a Center of Academic Excellence in Cyber Defense (CAE-CD), seeks a tenure-track Assistant Professor in cybersecurity, networking, or related areas beginning August 2024.

This full-time position involves teaching in the Cybersecurity & Computer Science B.S. and M.S. programs, plus research and service. Courses are assigned based on the candidate's experience and department needs; these may include cryptography, digital forensics, information privacy, intrusion detection, system and software security, computer organization, computer networking, or cloud computing.

For more information and application instructions: *Academic Staff Instructional Listing (uww.edu)*

College of Science
UtahStateUniversity

The Computer Science Department seeks applications for one tenure-track assistant/associate professor position. Preferred research expertise: Software Engineering, Programming Languages/Compilers, Algorithms and Complexity, Robotics, High Performance Computing/Cloud Computing, and Networking/Network Security. Apply: https://careers-usu.icims.com/jobs/7069/assistant-associate-professor---computer-science/job

EEO Employer/Veterans/Disabled
https://www.usu.edu/equity/non-discrimination

R1 Research Institution	Benefited Full-time	Employer Contribution to Retirement
Extensive Outdoor Recreation	Vibrant Community & Affordable Housing	Free Public Transportation

UNIVERSITY of WISCONSIN
UWMILWAUKEE

ASSOCIATE PROFESSOR / PROFESSOR

Position Number: 02368501

Job Summary:

The successful candidate must lead and collaborate with CEAS faculty and faculty from across campus, conduct independent Industry 4.0 research, collaborate with existing centers and institutes, build highly effective research teams consisting of professional staff, post-docs, graduate and undergraduate students, teach engineering or computer science courses as needed, mentor and advise students, and assist with engineering or computer science curricular development. In addition to research and teaching, successful candidates will contribute to the university through service on University, College, and Department committees. As the CSI Research Director, the candidate will be a member of the CSI leadership team that will mold and implement the research vision and mission for CSI. Candidates will actively collaborate with current industry partners and cultivate new partnerships.

Minimum Qualifications:

- A doctoral degree in an appropriate Engineering, Computer Science, or closely related science field
- A strong record of external funding, research, and scholarship appropriate with their rank

Preferred Qualifications:

- A proven research record in Industry 4.0 research topics such as, but not limited to: lights-out manufacturing, robotics, system integration, sensing and control, industrial software engineering and cybersecurity, edge computing, advanced human-machine interface (including AR/VR, haptics, etc.), cyber-physical systems, additive manufacturing, digital twin, real-time and low latency communications including wireless (5G, WiFi6), constrained networking including Single Pair Ethernet, industrial process simulation and emulation, big data analytics, cloud computing, explainable artificial intelligence, and others.
- Demonstrated administrative and research leadership in a Center/Institute
- Teaching experience related to Industry 4.0
- Track record of forming and leading cross-disciplinary research teams that include industrial partners
- Evidence of the potential to compliment and/or strengthen existing CEAS and CSI research programs.

Application Instructions:

Interested applicants are required to apply online and provide:

- A cover letter addressing your education/experience as it applies to all minimum and preferred qualifications and your desired home or joint department appointment.
- A detailed curriculum vitae
- A research plan- please submit document(s) under Research Interest
- A teaching statement-please submit document(s) under Teaching Philosophy
- A document listing the name, position, and contact information (phone & email) for three professional references. Finalists will be expected to submit 3 reference letters.

In instances where the Search and Screen Committee is unable to ascertain from a candidate's application materials whether they meet any of the qualifications, they will be evaluated as not meeting such qualifications.

This is a continuous recruitment with an initial review date of February 20, 2024. To ensure consideration, applications must be submitted by February 19, 2024. Applications submitted after February 19, 2024, may not be reviewed. The complete application package must be submitted to: https://jobs.uwm.edu/postings/38332.

Application Notes: For this position, applicants are required to apply online. UWM will not consider paper, emailed or faxed applications. Additionally, applicants must complete all required fields and attach any required documents. The process is complete when the message "Your application has been submitted" is displayed and you receive a confirmation number.

Legal Notices:

AA/EO Statement: UWM is an AA/EO employer: All applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, sexual orientation, gender identity/expression, disability, or protected veteran status.

Employment Authorization: In compliance with federal law, all persons at the time of their start date will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire.

To apply, please visit: https://apptrkr.com/4891807

Two Year Visiting Assistant Professor of Computer Science

Department: Computer Science Department
Posting Number: F099P
For full consideration applicants should apply by: 02/01/2024

About Vassar College
Vassar is a highly selective, coeducational liberal arts college of about 2400 undergraduate students, located in the Hudson Valley, seventy-five miles north of New York City. Vassar stands upon the homelands of the Munsee Lenape. The College is located in Poughkeepsie, home to a culturally diverse community, and benefits from convenient commuter rail access to New York City. Vassar faculty are committed teachers/scholars who bring research and creative discovery to life for students in classrooms, labs, and studios and in individually-mentored projects. They teach broadly in the curricula of their departments, advise students, and serve on college-wide and departmental committees. The College maintains a generous leave policy, provides strong support for research, and encourages multidisciplinary approaches to teaching.

Position Introduction:
The Department of Computer Science at Vassar College invites applications for a full-time two-year position at the rank of Visiting Assistant Professor to begin in the Fall semester of 2024.

AA Statement
Vassar College is deeply committed to increasing the diversity of the campus community and the curriculum, and to promoting an environment of equality, inclusion, and respect for difference. Candidates who can contribute to this goal through their teaching, research, advising, and other activities are encouraged to identify their strengths and experiences in this area. The College is an Equal Opportunity and Affirmative Action employer, and especially welcomes applications from veterans, women, individuals with disabilities, and members of racial, ethnic, and other groups whose underrepresentation in the American professoriate has been severe and longstanding.

Position Description:
A commitment to excellence in undergraduate teaching and research is expected. A Ph.D. by the time of appointment is desired, but individuals nearing completion will also be considered. Strong candidates with a M.S., including those with industry experience, are also encouraged to apply. A typical teaching load is one lab course and one non-lab course per semester. Vassar faculty members are committed teacher-scholars who bring research and creative discovery to life for students in classrooms, labs, and in individually mentored projects. Vassar College has a strong undergraduate program in Computer Science, with a history going back to 1963. The department is housed within Vassar's Integrated Science Commons and maintains Linux laboratories for introductory and advanced instruction. For more information see **https://computerscience.vassar.edu/.**

Salary Wage Range
Pay Transparency Disclosure: The annual base starting salary range for this full-time visiting position is $94,000 to $98,000 (USD). When extending an offer of employment, Vassar College considers factors such as (but not limited to) candidate's education/training, work experience, internal peer equity, as well as market and organizational considerations. This salary range represents the College's good faith and reasonable estimate at the time of posting.

How to Apply

Candidates should submit:
- A letter of application
- CV
- Graduate transcript (an unofficial copy is acceptable for initial application)
- Statement of teaching philosophy and pedagogical approaches to engage a diverse student population
- Diversity statement (additional information can be found athttps://offices.vassar.edu/dean-of-the-faculty/positions/candidate-diversity-statement/)
- Three letters of recommendation (with at least one letter specifically addressing teaching ability).

Applications should be addressed to Jason Waterman, chair of the search committee, and submitted online at: **https://employment.vassar.edu/postings/3657**. For all inquiries, please reach out to **jawaterman@vassar.edu**. Review of applications will begin on February 1st, 2024, and continue until the position is filled. Applications received after that date are not guaranteed to be reviewed.

Special Instructions to Applicants

To Apply

All applicants must apply online at: https://apptrkr.com/4905724

Professional Opportunities

Virginia Tech

Department Head - Computer Science

The Virginia Tech College of Engineering seeks a strategic, collaborative, and entrepreneurial leader to serve as its Head of the Department of Computer Science. A comprehensive leadership profile is available at ***www.wittkieffer.com***.

Nominations, inquiries, and applications can be directed to: Suzanne Teer, Cathryn Davis, and Maya E. Holt-Brockenbrough, Ph.D. at ***VirginiaTechCompSciHead@wittkieffer.com***.

Thank you for your interest in this position, we look forward to hearing from you!

Virginia Tech is an equal opportunity and affirmative action employer. Women, minorities, individuals with disabilities, and protected veterans are strongly encouraged to apply. Anyone having questions concerning discrimination or accessibility should contact the Office for Equity and Accessibility at ***equityandaccess@vt.edu*** *or 540-231-2010.*

Virginia Tech

Virginia Tech Computer Science, Instructional Faculty

The Virginia Tech Department of Computer Science seeks applicants for multiple non-tenure-track instructional faculty positions at the Innovation Campus in the Washington DC Metropolitan area. Virginia Tech is ranked among the top computer science departments in the country. Faculty hired in these positions will have academic appointments in the Department of Computer Science which spans the Blacksburg and Alexandria campuses.

Qualified candidates with a Master's degree in computer science or closely related field with professional industry experience will be considered for appointments at the ranks of Assistant, Associate or Full Professor of Practice in Computer Science. Qualified candidates with a Ph.D. degree in computer science or closely related field will be considered for appointments at the ranks of Assistant, Associate or Full Collegiate Professor in Computer Science.

Successful candidates will have a primary commitment to our graduate instructional mission in the Washington DC Metropolitan area. Duties will include graduate level teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. To the extent possible, professors of practice and collegiate faculty are encouraged to participate in research and scholarship, mentor graduate students, participate in department and professional service, etc. Instructional positions offer a clear promotion path with the potential of increasingly longer-term contracts.

The Innovation Campus currently has 17 award-winning faculty members including 5 instructional faculty and 12 tenured faculty. All Innovation Campus faculty have academic appointments in Virginia Tech's highly ranked Computer Science and Computer Engineering departments. The Innovation Campus currently serves over 250 graduate students and has a mission to grow to 50 faculty and over 700 students over the next several years.

Virginia Tech's Innovation Campus is a bold, new vision for graduate education in computer science and computer engineering. Located adjacent to the nation's capital in Alexandria, Virginia, it will unite industry, government, and academia in dynamic project-based learning and purpose driven research to shape the way emerging technologies influence society. The 11-story academic building of the Innovation Campus is set to open in 2024. Joining now offers a unique opportunity to be part of an emerging Virginia Tech graduate program while helping to design and shape the cutting-edge instructional programs to be offered at the Innovation Campus.

Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world. Building on its motto of Ut Prosim (that I may serve), Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. We actively seek a broad spectrum of candidates to join our community in preparing leaders for the world. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

Applications must be submitted online to ***jobs.vt.edu***. Candidates should submit a cover letter, curriculum vitae, a teaching statement, a statement on contributions to advancing diversity, equity, and inclusion, and contact information for at least three references.

Application review will begin on 01/24/2024 and continue until the positions are filled. Inquiries should be directed to Dr. Sara Hooshangi, search committee chair, at *shoosh@vt.edu*.

The Innovation Campus fully embraces Virginia Tech's commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need accommodation, please contact Maura Gardner (maurag@vt.edu) during regular business hours at least 10 business days prior to the event.

Washington University in St. Louis

Faculty Positions (Assistant/Associate/Full)

The Department of Computer Science & Engineering at Washington University in St. Louis has several tenure-track faculty openings beginning on or after July 1, 2024. We seek outstanding faculty at all ranks and in all areas of computer science & engineering who will build transformative research programs in their core disciplines and through interdisciplinary collaborations.

The department anticipates a focused recruiting effort over the next several years towards building and expanding strengths in several strategic areas with an emphasis upon these target areas: autonomous systems (cyber-physical systems, preferably with incorporation of artificial intelligence/machine learning); computational social science; computational environmental science; computer vision/imaging; and human-AI collaboration and interaction.

Candidates are expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service. The usual teaching load is one course per semester. Diversity and inclusion are core values at Washington University, and candidates should demonstrate the ability to create inclusive classrooms and environments in which a diverse array of students can learn and thrive.

Applicants must hold a doctorate in Computer Science, Computer Engineering, or a closely related field. Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and diversity statement) through Interfolio at *apply.interfolio.com/134119* and arrange for at least three letters of references to be directly submitted on their behalf.

Applications may be accepted and reviewed until the position is filled, but all applications received before December 15, 2023, will be given full consideration.

Please contact *recruiting@cse.wustl.edu* for questions related to this search.

Washington University is a private university with roughly 7,000 full-time undergraduates and 7,000 graduate students. It is nationally known for the exceptional quality of its student body and for its attractive campus, which borders residential neighborhoods and one of the nation's largest urban parks. Many faculty members walk or bike to work. St. Louis combines a Midwest cost of living with a vibrant metropolitan area, offering a wealth of cultural and entertainment opportunities. Our faculty and staff are known for our collegiality and for providing a supportive environment for new arrivals.

Washington University in St. Louis is committed to the principles and practices of equal employment opportunity and especially encourages applications by those underrepresented in their academic fields. It is the University's policy to recruit, hire, train, and promote persons in all job titles without regard to race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, protected veteran status, disability, or genetic information.

Professional Opportunities

Wayne State University

Department of Computer Science

Multiple Tenure-Track (Open Rank) Positions

Located in the mid-town of Detroit, the Wayne State University (WSU) Computer Science department anticipates hiring multiple open-rank tenure-track faculty starting from Fall 2024. For senior candidates appointment with tenure is possible. Outstanding candidates in all areas who could complement and enhance current department strengths will be considered. Candidates working in Systems, Security, Software Engineering, Natural Language Processing, and related areas are especially encouraged to apply. Candidates should have a Ph.D. in Computer Science, or closely related field, and the potential for excellence in teaching and research.

Applications must be submitted at

https://waynetalent.csod.com/ux/ats/careersite/2/home/requisition/1603?c=waynetalent

and must include a curriculum vitae, teaching and research statements, and names and addresses of at least three references. Links to a professional website such as Google Scholar or DBLP are recommended.

For full consideration, applications must be submitted by March 1, 2024. Applications will be accepted until the positions are filled.

The Department of Computer Science at Wayne State has 23 tenure-stream faculty and 6 teaching faculty, with 4 NSF CAREER awards and over $2M in annual research expenditure. Currently it has over 1000 undergraduate students and about 200 graduate students. The department is committed to building a diverse faculty preeminent in its missions of research, teaching, and service to the community. Candidates who have experience engaging with a diverse range of faculty, staff, and students, and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

WSU is a major urban research university (Carnegie R1) with about 2,500 faculty and 27,000 students. WSU is committed to increasing access to education, employment, programs, and services for all. WSU is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high-quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity, and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color and other underrepresented people. WSU is an affirmative action/equal opportunity employer.

Detroit epitomizes the modern, livable, vibrant, and diverse city. World-class amenities like the US-Canada riverfront, Detroit Institute of Arts, culture venues and festivals, as well as an international airport (DTW) that flies non-stop to world-wide destinations. There are several satellite cities within 25 miles of metro-Detroit that are ranked as the top-100 most suitable for living cities (e.g., Troy, Ann Arbor, Birmingham, Novi) with the nation's finest school districts.

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

William & Mary

Assistant Professors of Computer Science

The Department of Computer Science at William & Mary, a public university of the Commonwealth of Virginia, seeks applications for two tenure-track positions at the Assistant Professor level to begin August 10, 2024. We are particularly interested in the areas of cybersecurity and software engineering but exceptional applicants from all areas of computer science are encouraged to apply.

Located in the center of historic Williamsburg and known as a public Ivy, William & Mary is consistently ranked in the elite group of the Best National Universities-Doctoral by U.S. News and World Report and is committed to a multi-year effort to significantly strengthen and expand its computer science research program. With a teaching load of two

courses per year and institutional support, the department has been rising in national rankings of graduate CS departments and has been the home of multiple NSF and DOE CAREER Awards. The department offers B.S., M.S., and Ph. D. programs. More information about the department can be found at *https://www.cs.wm.edu.*

Initial review date is December 1, 2023. For more information visit: *https://jobs.wm.edu/postings/56550*

William & Mary-Assistant

Assistant Teaching Professor of Computer Science

The Department of Computer Science at William & Mary, a public university of the Commonwealth of Virginia, invites applications for a non-tenure-track instructional position that will begin August 10, 2024. The successful applicant will be expected to be an effective teacher and will have a 3-3 teaching load.

Located in the center of historic Williamsburg and known as a public Ivy, William & Mary is consistently ranked in the elite group for best undergraduate teaching by U.S. News and World Report and is committed to a multi-year effort to strengthen and expand its computer science program. More information about the department can be found at *https://www.cs.wm.edu.*

Initial review date is November 1, 2023. For more information visit: *https://jobs.wm.edu/postings/56549*

Williams College

Computer Science Department

Visiting Faculty Position

The Department of Computer Science at Williams College invites applications for a one-year visiting faculty position beginning in the fall of 2024. Candidates should have a demonstrated record of excellence in teaching and should have a Ph.D., or made significant progress towards completing a Ph.D., in computer science or a closely related discipline by September, 2024. Successful candidates will teach a total of three courses with associated labs during the academic year.

The position is open to all areas of computer science. The visiting faculty member will join thirteen current members of the department in supporting a thriving and diverse undergraduate computer science major. The Department of Computer Science offers a congenial working environment, an excellent student body, and state-of-the-art facilities. Many opportunities exist for collaboration across disciplines, particularly with other faculty in the sciences. Williams offers visiting faculty participation in the college's professional development program First3, access to a number of online NCFDD resources, and support through the newly established Rice Center for Teaching.

We welcome applications from members of groups traditionally underrepresented in the field, and applicants are encouraged to state in their cover letter how they will enhance the diversity of offerings and educational experiences if hired.

Applications should also include a curriculum vitae, teaching statement, and three letters of reference, at least one of which speaks to the candidate's promise as a teacher. Application materials must be submitted electronically via Interfolio. Materials may be addressed to:

Professor Jeannie Albrecht, Chair
Department of Computer Science
Williams College
Williamstown, MA 01267

http://www.cs.willams.edu

The review of applications will begin on January 15th, and will continue until the position is filled. We will conduct semi-finalist interviews online beginning in late January, and we aim to complete the search and hiring process by early March. Please direct all correspondence to hiring@cs.williams.edu. All offers of employment are contingent upon completion of a background check. Further information is available at

http://dean-faculty.williams.edu/prospective-faculty/background-check-policy.

Williams College is a liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website for more information. Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

Professional Opportunities

Application Process

This institution is using Interfolio's Faculty Search to conduct this search. Applicants to this position receive a free Dossier account and can send all application materials, including confidential letters of recommendation, free of charge.

Equal Employment Opportunity Statement

Williams College is a liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (*http://www.williams.edu*).

Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

Yale University

Lecturer/Senior Lecturer, Computer Science

The Yale Computer Science Department invites applications for a position at the rank of Lecturer or Senior Lecturer to start in the 2024-2025 academic year. Applicants are expected to be able to teach systems courses covering components of the computer systems stack, such as the architectural and hardware/software interfaces, operating systems, network and distributed systems, and general systems programming techniques. Experts in ML for systems and systems for ML are also welcome to apply. Opportunities to teach upper-level courses, to supervise student projects, and to collaborate with Yale's world-class faculty in numerous computationally active fields are also available. The department's home page can be found at *https://cpsc.yale.edu*.

A candidate should hold a Ph.D. or equivalent degree in computer science or a related discipline at the time of hire. Required application materials include: curriculum (CV), cover letter, teaching statement, and a minimum of three reference letters from outside Yale. A helpful teaching statement should describe the candidate's teaching experience and explain how they could contribute to the curriculum at Yale. Contact Alicia Vignola at *alicia.vignola@yale.edu* with any questions regarding the application.

The department will start reviewing applications on November 15, 2023 and will continue until the position is filled.

Please apply at:
http://apply.interfolio.com/129539.

Yale University is an Affirmative Action/Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.

Yale University

Assistant Professor, Computer Science

After *recent phenomenal growth* as part of the *Yale Science Strategy* and Yale's *landmark investments in engineering and applied science*, the Yale Computer Science Department continues to invite applications for multiple tenure-track faculty positions to start in the 2024-2025 academic year. For this year's search, we are interested in candidates working in the areas of (1) AI and Trustworthy Computing or (2) Programming Languages. With recent explosive growth of large-language-model based technologies such as ChatGPT, we are particularly interested in candidates who can take on the leadership role and help shape the research and education impact of AI for the rest of the University. Qualified applicants in computer science are invited to apply.

Applicants are expected to excel in both research and teaching. Yale provides many opportunities for research collaborations both inside and outside the Computer Science Department. Interdisciplinary work is encouraged, with Yale's world-class faculty in both the Faculty of Arts & Sciences and the professional schools. Yale faculty regularly have the opportunity to teach excellent students, both graduate and undergraduate. The department's home page can be found at *http://cpsc.yale.edu/*.

Candidates must hold a Ph.D. or equivalent degree at the time of hire in Computer Science or a related discipline.

Applicants are asked to submit a cover letter, curriculum vitae, a teaching

statement, a research statement, and three confidential letters of recommendation. A helpful teaching statement should describe the candidate's teaching experience and explain how they could contribute to the curriculum at Yale. The research statement should include a research vision and, if relevant, potential collaborations across Yale.

To ensure full consideration, please submit all materials by December 15, 2023.

Review of applications will begin after December 16, 2023, and will continue until the position is filled. Contact Alicia Vignola (*alicia.vignola@yale.edu*) with any questions regarding the application.

Please apply at:
http://apply.interfolio.com/132722

Yale University is an Affirmative Action/ Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.