

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

Recipients of the 2024-2025 CRA Outstanding Undergraduate Research Award Announced

CRA is proud to announce the recipients of the 2024-2025 CRA Outstanding Undergraduate Researcher Award, honoring exceptional students in computing research. Generously supported by Sandia National Laboratories and Lawrence Berkeley National Laboratory (LBNL), awardees will receive conference funding, opportunities to engage directly with Sandia and LBNL researchers, and professional recognition through digital credentials and special insignias.

Read more on page 8.

CRA Launches 2024-2025 Quadrennial Paper Series as New Administration Takes Office

CRA has launched its 2024-2025 Quadrennial Paper Series, bringing together leading experts to address critical challenges and opportunities in computing research. This initial release features six papers offering actionable recommendations on a variety of hot topics, with more papers forthcoming.

Read more on page 5.

Your Chance to Participate: CRA & PIT-UN Roundtables on Public Interest and Public Service in Computing

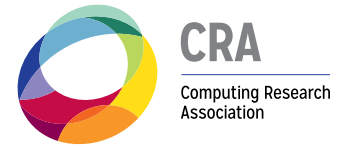
CRA and the Public Interest Technology University Network (PIT-UN) are hosting roundtable discussions to advance public interest technology by fostering cultural and institutional support in the computing field. The final session, open for community input, aims to generate actionable recommendations for guiding outreach and strategies; applications are due by January 24.

Read more on page 19.

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CRA Update: “In Case You Missed It” Items from Across CRA



By Matt Hazenbush, Director of Communications

Happy New Year! As we dive into 2025, we're excited to bring you fresh ways to connect, contribute, and stay informed about CRA's initiatives. Starting this year, each issue of Computing Research News will include an "In Case You Missed It" (ICYMI) section, ensuring you're up to date with the amazing opportunities to engage with CRA and the broader computing research community.

We're spotlighting this first ICYMI edition as this month's CRA Update, but in future issues, you'll find it as the last article. Check out this month's entries below, and stay tuned for more ways to make an impact throughout the year!

NSF LEVEL UP: Transforming Computing Education for the Age of AI

The CRA-led NSF LEVEL UP initiative is shaping the future of undergraduate computing education, driving innovation and equity. Supported by the National Science Foundation (NSF), the initiative engaged nearly 400 community leaders in dynamic workshops to identify actionable strategies for improving recruitment, retention, and student outcomes in computing programs.

Building on this momentum, **NSF LEVEL UP AI** expands the initiative's focus to prepare students for a rapidly evolving AI-driven workforce. Learn more about NSF LEVEL UP and LEVEL UP AI in [this CRA Bulletin article](#) and join the movement by [signing up for updates here](#).

Discover the New CRA Career Center: Opportunities for Job Seekers and Recruiters

CRA is thrilled to unveil its newly enhanced **CRA Career Center**, a powerful platform designed to connect top computing research talent with employers across academia, industry, and government. Whether you're a job seeker or looking to recruit exceptional computing PhD talent, the CRA Career Center has something for you.

For Job Seekers:

If you're a computing PhD graduate (or soon to be one), the CRA Career Center is your gateway to career advancement. Upload your CV, research statements, and job preferences to create a profile that hiring managers can discover. Don't miss the opportunity to connect with top employers in computing research. [Sign up today](#).

For Employers:

Looking to hire exceptional computing PhD talent? The CRA Career Center offers flexible job posting options, branded employer profiles, and email spotlight features to maximize visibility. Plus, CRA members enjoy a 40 percent discount on job postings! Whether you're a returning user or a first-time job poster, we've streamlined the process to make finding qualified candidates easier than ever. [Learn more and post your job](#).

Take advantage of the new CRA Career Center to connect with the best in computing research.

Nominations Open for 2025 CRA Distinguished Service and A. Nico Habermann Awards

CRA is now accepting nominations for two prestigious honors: the CRA Distinguished Service Award and the CRA A. Nico Habermann Award.

- The **CRA Distinguished Service Award** recognizes individuals or organizations for exceptional service contributions to the computing research community, such as leadership, advocacy, or advancing professional societies.
- The **CRA A. Nico Habermann Award** honors efforts that have significantly advanced the inclusion and success of minoritized groups in computing research.

Nominations are open until **January 31, 2025**. Self-nominations are welcome! For more details or to submit a nomination, visit the [CRA Distinguished Service Award](#) and [CRA A. Nico Habermann Award](#) webpages.

Questions? Contact awards@cra.org. Don't miss the opportunity to celebrate impactful leaders in computing research!

CRA Update (*continued*)

Board of Directors Election and Upcoming Board Meeting

In late December, CRA announced the [2025 slate of candidates](#) for the CRA Board of Directors via the CRA Bulletin.

Think you or a colleague of yours would be a strong contributor to the CRA Board? It's not too late to be considered. CRA also encourages nominations by petition. Petition nominations must be signed by the Designated Voting Representatives of at least five Constituent Member Organizations that are current in dues payment. A complete nomination package for petition candidates must be [submitted here](#) no later than **January 21, 2025**.

In late January, final ballots will be distributed to all CRA member contacts. Voting will be done by ranked vote. All candidates can be ranked in the ballot.

The next meeting of the CRA Board of Directors will be held February 20-21 in Washington, D.C. Do you have a suggestion for a discussion topic? Share it with CRA Executive Director and CEO Tracy Camp at ceo@cra.org.

Explore Research Opportunities with NSF DREU

The [NSF DREU](#) (Distributed Research Experiences for Undergraduates) program connects undergraduate students with faculty mentors for a 10-week summer research experience in computing. Designed to increase diversity in computing, DREU provides students from underrepresented groups with hands-on research opportunities that inspire graduate study and careers in computing.

- *For Undergraduates:* Gain research experience, mentorship, and \$8,500 in funding, plus relocation and travel support. [Apply now!](#)
- *For Faculty Mentors:* Shape the next generation of computing researchers while promoting equity in the field. [Apply now!](#)

Applications for both students and mentors are due **February 25, 2025**. Learn more and apply on the [NSF DREU website](#).

FY25 Appropriations Update: Budget Punted Until March, Final Funding Numbers Remain Uncertain

On the [CRA Government Affairs blog](#), Associate Director of Government Affairs Brian Mosley provided an update on where the Fiscal Year 2025 (FY25) budget process currently stands and analysis of what it could mean for the computing research community. Much is still to be determined, and the Government Affairs blog will be keeping the community informed with regular updates. [Subscribe here](#) to be sure you don't miss a thing.

Industry Insights and Opportunities with CRA-Industry

[CRA-Industry](#) (CRA-I) is advancing connections between industry leaders and academic research:

- **Cybersecurity & Cloud Storage Report:** CRA-I, supported by NSF/TIP, is gathering industry insights on trends in enterprise/cloud storage and cybersecurity. Contact CRA-I Manager Helen Wright (hwright@cra.org) to contribute.
- **Academia-Industry Partnerships Workshop:** Join us **March 20-21, 2025, in Seattle, WA**, to foster collaboration between academia and industry. Contact CRA-I Manager Helen Wright (hwright@cra.org) to learn more.

[Learn more](#) about CRA-I's work or explore [CRA membership opportunities!](#)

CERP NSF CISE REU 2023 Annual Report Release

The CRA Center for Evaluating the Research Pipeline (CERP) is thrilled to share a captivating new resource: **the United States National Science Foundation (NSF) Computer and Information Science and Engineering (CISE) Research Experiences for Undergraduates (REU) Survey Annual Report!**

CRA Update *(continued)*

This recurring survey, established in 2021, follows cohorts of undergraduate students over one year from the time they participate in a formal research experience, such as the [NSF REU \(Site or Supplement\) program](#) or the [NSF Distributed Research Experiences for Undergraduates \(DREU\) program](#). With data from three separate surveys taken throughout the year, the report offers a deep dive into who participated in a formal research experience program in 2023, highlighting key details about participants' backgrounds, home institutions, and pre-college and college experiences.

[Read the full report](#)

President-Elect Trump Names OSTP Director and Other High Level Science & Tech Policy Staff



By Brian Mosley, Associate Director of Government Affairs

Just before the holidays, [President-Elect Trump](#) announced that [Michael Kratsios](#) will be nominated as the Director of the [Office of Science & Technology Policy](#) (OSTP). Informally known as the President's Science Advisor, the Director of OSTP oversees the office tasked with providing advice to the President, and the Executive Office of the President, on matters related to science and technology, as well as coordinating the Administration's science and tech policy among the assorted federal research agencies. Mr. Kratsios comes into the position with [extensive experience in the first Trump Administration](#), where he served both at OSTP and the Defense Department in senior research policy roles. He will also serve as an assistant to the President for science and technology.

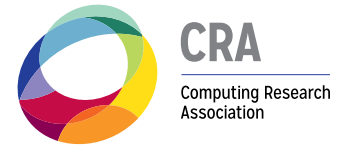
It was also announced that computer scientist [Lynne Parker](#), of the University of Tennessee, Knoxville, was named counselor to Kratsios and executive director of the [President's Council of Advisors on Science and Technology](#) (PCAST). Dr. Parker previously served in OSTP from 2018 to 2022, in both the Trump and Biden Administrations, and at NSF in the CISE Directorate as Division Director for Information and Intelligent Systems from 2015 to 2016. In her previous role at OSTP, she led national AI policy efforts as Deputy Chief Technology Officer of the United States, the founding Director of the National AI Initiative Office, and Assistant Director for AI.

Other high level OSTP staff announced were [Sriram Krishnan](#), who will serve as Senior Policy Advisor for Artificial Intelligence, and [Bo Hines](#), who will be the Executive Director of the new Presidential Council of Advisers for Digital Assets (informally dubbed the "Crypto Council"). This follows up on the news earlier in December that [David Sacks](#) will serve as advisor to the president for AI and cryptocurrency and co-chair to PCAST.

These advisor and staff announcements are encouraging news, as this means that OSTP's leadership will be in place much sooner than in Trump's first term, when it was over 2 years before the office had a confirmed director. The news about Mr. Kratsios and Dr. Parker, in particular, is good news, as both are well known to the computing research community and are well respected in their fields. Exactly when they will be in place is hard to tell at the moment; Kratsios' nomination will need to be confirmed by the Senate before he can take up his position full time. But the other positions should be able to start soon after the Administration is sworn into office on January 20th.

This news also drives home that artificial intelligence and blockchain technology will be important issues in the second Trump Administration's science and technology portfolio. CRA will continue to impress to elected officials and policymakers the essential role that fundamental research will play in the develop and advancement of both technologies, as well as the role other computing research disciplines will be to the future prosperity of the country.

CRA Launches 2024-2025 Quadrennial Paper Series as New Administration Takes Office



By Matt Hazenbush, Director of Communications

As the new administration prepares to take office later this month, the Computing Research Association (CRA) is excited to announce the first tranche of papers in its **2024-2025 CRA Quadrennial Paper Series**. This community-driven initiative brings together leading experts to explore pressing challenges and emerging opportunities in computing research. The Quadrennial Papers aim to inform policymakers, researchers, and the public about key issues in the field and offer actionable recommendations aligned with national priorities.

This release includes six papers, each delving into a critical topic with significant societal, economic, and technological implications. Additional papers will be released in the coming weeks and months.

Reclaiming the Future: American Information Technology Leadership in an Era of Global Competition

Authors: Alex Aiken (Stanford University), David Jensen (University of Massachusetts Amherst), Catherine Gill (CRA), William Groppe (University of Illinois Urbana-Champaign), Peter Harsha (CRA), Brian Mosley (CRA), Daniel Reed (University of Utah), William Regli (University of Maryland)

The United States risks losing global leadership in information technology due to declining research investment, challenges in attracting talent, and tensions between security and openness. This paper advocates for increased funding, streamlined immigration policies, and a commitment to research openness to sustain innovation and competitiveness.

[Read the paper](#)

Imperative for Educating the Next Generation Robotics Technology Workforce

Authors: Holly Yanco (University of Massachusetts Lowell), Odest Chadwicke Jenkins (University of Michigan), Weisong Shi (University of Delaware), William Regli (University of Maryland), Monica Anderson Herzog (University of Alabama)

The United States must urgently develop educational and career pathways in robotics – from K-12 through professional development – to build a skilled workforce capable of leading innovation and maintaining competitiveness. This paper highlights the need to integrate robotics education into K-12 curricula, establish national training centers, and foster public-private partnerships to ensure U.S. leadership in robotics and automation.

[Read the paper](#)

Lessons for Cybersecurity from the American Public Health System

Authors: Adam Shostack (University of Washington), L. Jean Camp (Indiana University), Yi Ting Chua (University of Tulsa), Josiah Dykstra (Trail of Bits), Brian LaMacchia (FARCASTER Consulting Group), Daniel Lopresti (Lehigh University)

The United States needs national institutions and frameworks to systematically collect cybersecurity data, measure outcomes, and coordinate responses across government and private sectors, akin to how public health systems address disease outbreaks. This paper proposes adopting public health principles in cybersecurity, emphasizing systematic approaches to improve resilience and readiness. It highlights the importance of data collection, outcome measurement, and coordinated responses to strengthen national cybersecurity efforts.

[Read the paper](#)

Quadrennial Paper Series *(continued)*

The Post-Quantum Cryptography Transition: Making Progress, But Still a Long Road Ahead

Authors: Brian LaMacchia (Farcaster Consulting Group), Matt Campagna (Amazon Web Services), William Gropp (University of Illinois Urbana-Champaign)

The development of quantum computing poses a significant threat to the security of widely deployed cryptographic algorithms. This paper highlights the progress in post-quantum cryptography (PQC) standardization while emphasizing the challenges ahead. With an estimated \$7.1 billion transition cost for non-National Security Systems and an aggressive 2035 deadline, the paper underscores the urgent need for sustained funding, research, and international coordination to secure critical infrastructure and successfully upgrade existing cryptographic systems.

[Read the paper](#)

Prioritizing Computing Research to Empower and Protect Vulnerable Populations

Authors: Pamela Wisniewski (Vanderbilt University), Katie Siek (Indiana University Bloomington), Kevin Butler (University of Florida), Gabrielle Allen (University of Wyoming), Weisong Shi (University of Delaware), Manish Parashar (University of Utah), Haley Griffin (CRA)

Technology can pose significant risks to vulnerable populations, but it also holds transformative potential. This paper examines the ethical challenges and opportunities in designing, researching, and deploying technology to serve underserved communities. It provides recommendations for creating inclusive, ethical, and sustainable systems that empower and protect vulnerable populations, fostering a society where everyone benefits, including the most at-risk individuals.

[Read the paper](#)

Setting a Course for Post-Moore Software Performance

Authors: William Gropp (University of Illinois Urbana-Champaign), Randal Burns (Johns Hopkins University), Brian LaMacchia (Farcaster Consulting Group), Charles E. Leiserson (MIT), Michela Taufer (University of Tennessee, Knoxville)

With Moore's Law no longer driving hardware improvements, the U.S. must prioritize software performance engineering (SPE) to optimize computing capabilities and maintain its technological edge. This paper underscores the need for significant investment in SPE research, education, and workforce training, as few software engineers currently possess these critical skills.

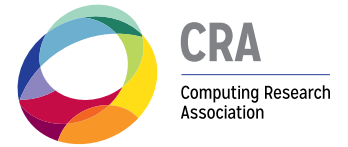
[Read the paper](#)

Addressing Pressing Challenges and Emerging Opportunities in Computing Research

The CRA Quadrennial Papers highlight the computing research community's collective insights into areas of national importance. With additional papers expected soon, this series will continue to serve as a vital resource for understanding the potential of computing research to address critical societal challenges.

For more information and to explore the full series, visit [CRA's Quadrennial Papers webpage](#).

Recipients of the 2024-2025 CRA Outstanding Undergraduate Research Award Announced



By Sheila Khan, Program Associate, CRA-E

The Computing Research Association (CRA) proudly congratulates the recipients of the **2024-2025 CRA Outstanding Undergraduate Researcher Award!**

This prestigious award, generously supported by **Sandia National Laboratories** and **Lawrence Berkeley National Laboratory (LBNL)**, celebrates exceptional undergraduate students at North American colleges and universities who demonstrate remarkable research potential in computing.

Faculty from across North America nominated students who exemplify outstanding research capabilities and a commitment to advancing the field of computing. This year saw a significant increase in nominations, up 47 percent from the previous year, and a 40 percent increase in the number of institutions represented – highlighting the incredible depth of talent and dedication in the computing research community.

Due to the number of high-quality applications and the generous support of our sponsors, CRA was able to expand the number of awardees and runners-up this year.

New Opportunities and Recognition for Awardees

Awardees will receive up to \$1,500 in financial support to attend a research conference of their choice, providing a platform to showcase their work and connect with the broader research community. In addition, CRA is introducing a unique opportunity for awardees to directly engage with researchers from Sandia National Laboratories and Lawrence Berkeley National Laboratory (LBNL). These leading research institutions are eager to hear about the innovative work of the awardees and have generously sponsored this program to foster emerging talent in computing research. CRA plans to host a virtual event in early 2025 where awardees can present their research to Sandia and LBNL researchers. Faculty mentors will also be invited to attend.

“Sandia National Laboratories is proud to sponsor the CRA Outstanding Undergraduate Researcher Award to recognize and celebrate the groundbreaking contributions of these talented young researchers,” said Jen Gaudio, Director of Computing Research, Sandia National Laboratories. “Their innovative work underscores the vital role computing research plays in addressing the challenges of tomorrow.”

“LBNL is honored to support this award, which highlights the dedication and brilliance of undergraduate students across North America,” said Jonathan Carter, Associate Laboratory Director, Computing Sciences at the Lawrence Berkeley National Laboratory. “These researchers represent the next generation of innovators who will drive the field forward with their fresh perspectives and exceptional talent.”

In addition to the awards themselves, all honorees – including runners-up, finalists, and honorable mentions – will receive a digital credential acknowledging their achievements, which can be shared on their LinkedIn profiles and networks. They will also be provided with a special CRA Outstanding Undergraduate Researcher Award insignia, intended to showcase their honors during conference presentations and other professional opportunities.



Thank you to our 2025 sponsors:



Award Recipients *(continued)*

Awardees

This year's nominees demonstrated exceptional research achievements, with many contributing to multiple projects, authoring publications, and tackling longstanding challenges in computing. Their work spans theoretical advancements and real-world applications, collectively showcasing the bright future of computing research.



Chris Trevisan, University of Waterloo

Chris Trevisan is a junior at the University of Waterloo, majoring in Computer Science. His research area includes theory and algorithms. Chris' research contributions have focused on improving algorithms for sorting datasets in the context of uncertainty. In this "adversarial comparison" model, the sorting algorithm must account for the possibility that it is impossible to distinguish the relative order of pairs of elements in a list, while it may be possible to rank those elements relative to others. His research provides a new algorithm for this challenge, which he published at Symposium on Discrete Algorithms (SODA) 2024. Outside of research, he is involved in programming competitions such as the Canadian Computing Competition and Canadian Computing Olympiad. He also serves as a tutor for many math and computer science courses.



Gene Kim, Stanford University

Gene Kim is a senior at Stanford University, majoring in Symbolic Systems. His research area is Human Computer Interaction, with a specific focus on assistive technology to support blind and visually impaired people. Extending his research network beyond Stanford, Gene has collaborated with faculty at the University of Washington, Northeastern University and the University of Chicago to design, engineer, and evaluate new approaches to support blind users (like himself) in tasks such as 3D printing, machine knitting, and circuit design. His research contributions have been published in selective venues including SIGACCESS, CHI and TACCESS. Outside of research, he has served as an undergraduate teaching assistant for introductory computer science courses. He also serves as a leader in a blindness advocacy organization, co-founded an international mentorship program for aspiring blind scientists and engineers, and teaches blind youth about STEM.



Hannah Guan, Harvard College

Hannah Guan is a sophomore at Harvard College, majoring in Computer Science and Statistics. Her research area is bioinformatics/computational biology. Her projects have focused on identifying the complex relationship between genetics and aging-related health traits. She has won numerous leadership, academic, and research awards. Hannah is also a leader in her community Serving as the Director of Research at Charles River Economics Labs and the Director of Programming at Harvard WECODE Conference. She is also the founder and CEO of Math Include, a non profit for youth development and education equity.



Helena Vasconcelos, Stanford University

Helena Vasconcelos is a senior at Stanford University, majoring in Symbolic Systems with a concentration in Artificial Intelligence. Her research projects focus on improving the understandability and explainability of AI systems, using methods from human computer interaction. She has first authored multiple papers that identify limitations of AI-based systems, contributing to a scientific model of how generative AI techniques like large language models can be relied upon to support human decision making. Outside of research she is heavily involved in theater, the Stanford Equestrian Team, and outdoor education.

Award Recipients (*continued*)



Jonathan Ivey, University of Arkansas

Jonathan Ivey is a senior at the University of Arkansas, majoring in Data Science and Mathematics. His research areas include natural language processing and data science/analytics. His recent project focused on automated approaches for determining the stress level of individuals based on their social media posts. Stress detection is an important method in mental healthcare research, as it enables a large-scale analysis of stress levels avoiding the biases of self-reported stress levels. Prior research in this area, however, has not considered the performance of these models on content generated by minority communities. Jonathan performed an empirical evaluation that demonstrates how ineffective prior approaches are on detecting stress levels from minority populations and developed a new approach that performs as well on all groups. Outside of research, he is Director of Policy, and the Director of Student Relations for his student government. He also has served as an ACT and Mathematics tutor and mentored numerous students from rural Arkansas through the Celebrating Discovery program.



Kerria Pang-Naylor, Harvey Mudd College

Kerria Pang-Naylor is a senior at Harvey Mudd College, majoring in Computer Science and Mathematics. Kerri's research in artificial intelligence has examined fundamental approaches to model error guarantees for abductive inference. Abductive inference refers to the ability to draw a likely conclusion based on a set of observations (e.g. "I just woke up and the ground is wet" might lead to the inference "it rained last night"), and incorporating this kind of reasoning into artificial intelligence is challenging. Outside of research, she has been a tutor for computer science and mathematics courses.



Prasann Singhal, University of Texas at Austin

Prasann Singhal is a senior at the University of Texas at Austin, majoring in Computer Science and Linguistics. His research area includes artificial intelligence and machine learning, with a focus on improving the text generation abilities of large language models. In one project, Prasann identified a significant limitation of a widely-used method (reinforcement learning from human feedback) that is used to train and evaluate large language models like ChatGPT. Building on this work, Prasann developed a new approach for improving these fine-tuning methods. Outside of research, Prasann serves as an officer for Laurel Cooperative, a student-run affordable housing community in Austin. He also is the founder of the Katy HACK Initiative which provides weekly lessons on Computer Science topics for elementary/junior high students.



Venkataram Sivaram, University of California, San Diego

Venkataram Sivaram is a senior at the University of California, San Diego, majoring in Computer Science and minoring in Mathematics. His research area includes graphics, visualization, and computational geometry. His research has appeared at the ACM SIGGRAPH symposium, and focuses on methods to accelerate rendering of complex scenes like those in video games and movies. For example, Venkataram developed a new approach for representing complex geometries for real-time rendering of complex meshes. Outside of research, he has been a Junior Counselor for the Rose Mathematics Program and a tutor for Computer Graphics.

Award Recipients *(continued)*

Runners Up

CRA congratulates this year's runners-up, who demonstrated remarkable research accomplishments and exceptional promise in advancing the field of computing.

- Arya Teymourlouei, University of Maryland, College Park
- Cailyn Smith, Colorado School of Mines
- Claire Jin, Carnegie Mellon University
- Jake Ginesin, Northeastern University
- Juntao Ren, Cornell University
- Phevos Paschalidis, Harvard College
- Ria Doshi, University of California, Berkeley
- Srinath Mahankali, Massachusetts Institute of Technology

Finalists

CRA recognizes this year's finalists, whose impressive research contributions and dedication to innovation highlight their potential to shape the future of computing.

- Abihith Kothapalli, Vanderbilt University
- Alan Baade, University of Texas at Austin
- Alyssa Hanson, Colorado School of Mines
- Andrew Balch, University of Virginia
- Arif Kerem Dayi, Harvard College
- Artem Agvastian, Brown University
- Benjamin Kim, University of Illinois Urbana-Champaign
- Cordelia Ludden, Tufts University
- Corinn Tiffany, Brown University
- Dutch Hansen, University of Southern California
- Emre Adabag, Columbia University
- Haritheja Etukuru, New York University
- Harry Chen, Duke University
- Hriday Chhabria, University of Michigan
- Jiayue (Gaveal) Fan, Cornell University
- Jizheng He, University of Illinois Urbana-Champaign
- Kuan Heng (Jordan) Lin, University of California, Los Angeles
- Mai Bui, Mount Holyoke College
- Maxine Liu, Harvey Mudd College
- Owen Eckart, Purdue University
- Ryan Milstrey, University of California, Merced
- Taiming Lu, Johns Hopkins University
- Vishak Srikanth, Yale University
- Will Liang, University of Pennsylvania

Honorable Mentions

CRA commends this year's honorable mentions for their noteworthy research efforts and commitment to excellence in computing.

- Aaron Gershkovich, Tulane University
- Aaron Lin, University of Kentucky
- Abir Haque, University of Kansas
- Adam Jovine, Cornell University
- Aditya Mittal, University of California, Davis
- Adrian Ciotinga, Arizona State University
- Advait Vartak, University of Maryland, College Park
- Advait Balaji, University of Michigan
- Alexander Metzger, University of Washington
- Alexander Zalles, Rice University
- Alexandra Gillespie, Colby College
- Ally Du, Carnegie Mellon University
- Amber Arquilevich, Cornell University
- Aminah Aliu, Princeton University
- Andrew Gautier, West Virginia University
- Angelina Zhai, University of Toronto
- Anirudh Manjesh, Arizona State University
- Anirudh Satheesh, University of Maryland, College Park
- Anisha Tehim, Cornell University
- Anri Gu, University of Michigan
- Anzi Wang, Colgate University
- Arya Rathee, University of California, Merced
- Aryan Gulati, University of Southern California
- Ayush Gowda, Florida Atlantic University
- Benjamin Peter, University of Missouri
- Benny Rubin, Cornell University
- Brian Chen, Northwestern University
- Byron Butaney, Brown University
- Carl May, Williams College
- Carter Nichols, Florida Atlantic University



Award Recipients *(continued)*

- Cesar Guerra-Solano, University of Pittsburgh
- Charlotte Versavel, Tufts University
- Christopher Kverne, Florida International University
- Chu Xin (Cloris) Cheng, California Institute of Technology
- Chun-Cheng Chang, University of Washington - Seattle
- Dahana Moz Ruiz, Kean University
- Daniel Cao, Cornell University
- Daniel Feng, University of Illinois Urbana-Champaign
- Daniel Rose, University of California, Santa Barbara
- Darshan Mehta, Haverford College
- Deniz Boloni-Turgut, Cornell University
- Edmund Sumpena, Johns Hopkins University
- Eisuke Hirota, Binghamton University
- Elizabeth Polito, Cornell University
- Emily Amspoker, Carnegie Mellon University
- Ethan Gabizon, Cornell University
- Florian Reihl, University of Pittsburgh
- Freddy Liu, University of Pennsylvania
- Gabriel Pizarro, University of California, Santa Barbara
- Garima (Ayra) Yadav, Arizona State University
- Gary Peng, University of Maryland, College Park
- Grace Oualline, Carnegie Mellon University
- Guancheng Tu, University of Virginia
- Hanna Mofid, University of California, Irvine
- Hao Jiang, University of Southern California
- Helen Li, University of Toronto
- Heng Zhao, Wake Forest University
- Hugo Abbot, University of Virginia
- Hyun (Joe) Jeong, University of California, San Diego
- Jaclyn Liquori, Cornell University
- Jacqueline Hernandez, Metropolitan State University of Denver
- James Crea, Colorado School of Mines
- James Kim, Cornell University
- James Zhang, Princeton University
- Janet Jiang, Duke University
- Jash Parekh, University of Illinois Urbana-Champaign
- Jason Klein, Cornell University
- Javier Linero-Quintana, Princeton University
- Jefferson Charles, Florida Atlantic University
- Jevon Lipsey, Colorado College
- Jialiang Yan, University of Alberta
- Jiaqian Li, Columbia University
- Jiayi Chen, University of Wisconsin - Madison
- Jiwon Moon, Johns Hopkins University
- Joe Ontiveros Rodriguez, University of Denver
- Joonhyuk Ko, University of Virginia
- Josh Barua, University of California, Berkeley
- Josh De Leeuw, Cornell University
- Joshua Gorniak, Boston College
- Joshua Kim, Carnegie Mellon University
- Junru Lin, University of Toronto
- Kaleb Newman, Brown University
- Katherine Gash, University of North Texas
- Kathy Quintanilla, Tufts University
- Kechen Liu, Columbia University
- Kelly Raines, Arizona State University
- Kenan Wood, Davidson College
- Kenneth Yang, University of Washington - Seattle
- Kevin Hayes, Northwestern University
- Kian Mahmoodi, Cornell University
- Klara Chura, Tufts University
- Kyle Smith, University of California, San Diego
- Kyungbok Lee, University of Rochester
- Leo Tenenbaum, University of Toronto
- Leyao Wang, Vanderbilt University
- Lily Klucinec, Carnegie Mellon University
- Lingbo Duan, University of Michigan
- Logan Bolton, Auburn University
- Lucy Luo, University of British Columbia
- Luis Hernandez Rocha, Cornell University
- Luis Miguel Sy Malenab, Cornell University
- Luisa Mao, University of Texas at Austin
- Luke Robinson, Auburn University
- Ly Nguyen, Dartmouth College
- Maaya Kanvar, Cornell University
- Maggie Cai, Carnegie Mellon University
- Manru (Mary) Zhang, Cornell University
- Marcus Gozon, University of Michigan
- Marko Veljanovski, Northwestern University
- Matthew Iceland, University of Rochester
- Matthew Laws, Williams College
- Maxwell Lin, Duke University
- McKenna Quam, Northeastern University
- Michal Lewkowicz, Yale University

Award Recipients *(continued)*

- Michelle Si, Duke University
- Mohan Yang, University of California, Irvine
- Muhammad Danish, University of New Mexico
- Muhammad Jee, Cornell University
- Muneeba Ashiq, University of British Columbia
- Naomi Rehman, University of California, Santa Cruz
- Natalie Chalfant, Mount Holyoke College
- Natalie Nguyen, Cornell University
- Natalie Ward, Northeastern University
- Nina van Hoorn, Skidmore College
- Owen Raymond, Colby College
- Owen Strength, Auburn University
- Pablo León Alazraki Salas,
ITAM Instituto Tecnológico Autónomo de México
- Peilun (Tommy) Li, Vanderbilt University
- Peter He, Cornell University
- Qingyun Yang, Vanderbilt University
- Rana Tuncer, University of Delaware
- Reagan Razon, Duke University
- Reevu Adakroy, Cornell University
- Reyhan Jamalova, University of Pennsylvania
- Rhett Olson, University of Minnesota
- Ritesh Kanchi, University of Washington - Seattle
- Rowan Devereux-Smith, Binghamton University
- Ryan Diaz, University of Minnesota, Twin Cities
- Ryan Wang, University of Southern California
- Saad Hossain, University of Waterloo
- Sammy Potter, University of Rochester
- Samuel Chambers, West Virginia University
- Sarah Walker, University of Toronto
- Sean Rhee, Northwestern University
- Shangyuan Yang, University of Wisconsin - Madison
- Shreedhar Jangam, University of California, Santa Cruz
- Siddarth Mamidanna, University of California, Santa Cruz
- Smantha Sudhoff, Purdue University
- Sofia Giannuzzi, Harvard College
- Sonia Fereidooni, University of California, San Diego
- Sushrita Rakshit, University of Michigan
- Terry Tong, University of California, Davis
- Tetsu Kurumisawa, Yale University
- Thea Traw, Carleton College
- Thor Helgeson, University of Michigan
- Tianle Yu, University of California, Santa Barbara
- Tianyi Wu, University of Pennsylvania
- Tiffany Han, Carnegie Mellon University
- Tong Zhou, University of Virginia
- Tori Shen, Carleton College
- Tsugunobu Miyake, Bucknell University
- Vivek Chari, Johns Hopkins University
- Wenyue Wang, University of British Columbia
- Willow Liu Yang, Princeton University
- Xiyuan You, McGill University
- Yahya Sohail, University of Texas at Austin
- Yanzhen Shen, University of Illinois Urbana-Champaign
- Yifan Zou, University of Chicago
- Yiming Xiang, University of Michigan
- Yiyi Cai, California Institute of Technology
- Yuwei Yang, Vanderbilt University

The NSF BPC Alliances: A National Resource for Broadening Participation in Computing



By Brianna Blaser (AccessComputing), Wendy M. DuBow (NCWIT), Renée Jordan (iAAMCS), Sarah Dunton (ECEP), Burcin Campbell (CERP), Alexis Cobo (CSforAll), Emily Greeson (STARS Computing Corps), Sarah Hug (CAHSI), Jamie Payton (STARS Computing Corps), Susan Rodger (CRA-WP), and Valerie Taylor (LEAP Alliance)

In 2004, computer science (CS) education at the K-12 level in the U.S. was underdeveloped, fragmented, and focused on basic computer literacy skills rather than computational thinking or programming. Access to CS education was also highly unequal, with gender, racial, and socioeconomic barriers contributing to limited access opportunities for students from historically underrepresented communities. The lack of emphasis on CS education infrastructure at the state and federal level, balanced by a growing number of advocates in the K-16 space meant that there was room for innovation and fresh thinking on how to build interest in the subject of computing.

Barriers to CS education at the K-12 level led to disparate participation at the post-secondary levels with lower numbers of women and others from historically marginalized racial/ethnic groups in computing than expected given population sizes. In 2004, data on students with disabilities in CS programs specifically were scarce, and individuals with disabilities were underrepresented in higher education overall.

Conceived as a multi-pronged way to focus on solutions to “the underrepresentation and disparities among women, persons with disabilities, Black and African Americans, Hispanics and Latinos/Latinas, American Indians, Alaska Natives, Native Hawaiians and other Pacific Islanders,” the U.S. National Science Foundation’s (NSF’s) **first solicitation** for Broadening Participation in Computing (BPC) Alliances was issued in 2005. The **NSF BPC Alliances** work nationally through a wide variety of activities including outreach, advocacy, support programs, convenings, research and other interventions to cultivate a diverse and inclusive computing workforce and research community. While there are many projects funded by NSF, as well as private foundations, colleges, universities and school districts that also contribute to the diversification of computing from K-12 through industry, this article focuses on the currently funded BPC Alliances. **NSF BPC Alliances differ** from other NSF-funded projects in that they are large coalitions with a national focus, that “design and carry out comprehensive programs addressing underrepresentation in the computing disciplines.... Collectively, Alliances serve as a national resource for achieving the transformation of computing education.”

Because the Alliances serve as a national resource, their approaches and accomplishments are shared below to raise awareness of their resources and encourage new collaborations.

Introducing the BPC Alliances

The nine NSF BPC Alliances that received **\$48 million in NSF funding** beginning in 2025 have broad reach across the country, addressing multiple aspects of the lack of diversity in CS, working across CS education pathways from K-12 to careers, and collaborating with a variety of advocates.

- The NSF **AccessComputing** leads a comprehensive, multidisciplinary network of educators and employers with the goal of increasing the participation and success of people with disabilities in computing education and employment.
- **Computing Alliance of Hispanic-Serving Institutions (CAHSI)** addresses the low representation of Hispanics in computing in higher education and the workforce through strategic actions that accelerate inclusive change in a collective impact approach.
- **CRA-WP (Committee on Widening Participation)** has a mission to support not only women but also Black, Hispanic, Native American, and disabled individuals in computing research.
- **CSforALL** aims to make high-quality CS an integral part of the educational experience of all K-12 students and teachers and to support student pathways to college and career success through serving institutions who provide direct student services.

NSF BPC Alliances *(continued)*

- The NSF **Expanding Computing Education Pathways Alliance (NSF ECEP)** broadens participation state by state by seeking to increase the number and diversity of students in computing pathways by supporting state-level computing education reforms.
- The NSF **Institute for African American Mentoring in Computing Sciences (NSF IAAMCS)** serves as a national resource and emphasizes mentoring and community building to increase the participation of African-Americans in computing.
- The NSF **Diversifying Leadership in the Professoriate (LEAP) Alliance** focuses on diversifying future leadership in the computing professoriate at research universities through four cohorts of universities, each with common strengths and a common agenda.
- **NCWIT** is a network of change leaders focused on widening inclusion in technology from K-12 through career via outreach and support programs and social science research.
- The NSF **STARS Computing Corps** aims to increase computing persistence and promote career advancement for students, and faculty, with a focus on addressing systemic and social barriers faced by those from underrepresented groups.

Broadening Participation in Computing through a Variety of Strategies

Addressing underrepresentation and ensuring equitable access for historically marginalized groups in computing remains an urgent priority. The NSF BPC Alliances promote this mission, working across sectors via direct interventions, community building, data utilization and research, and systems change. The collective effort of these NSF BPC Alliances facilitates the development of research-based resources, data-informed strategic plans in K-20, and interventions such as new curriculum and mentoring frameworks. The outcomes below result from NSF's investment in the BPC Alliances.

Direct Interventions

With a central focus on breaking down barriers to student access, participation, and retention, and creating sustainable pathways for underrepresented groups, the NSF BPC Alliances have played a transformative role in reshaping CS education and research. Specifically,

- The STARS program has successfully boosted persistence in computing degree programs, with 87% of post-secondary students who initially planned to leave computing **changing their minds** after engaging in faculty mentorship and professional networking.
- LEAP has been instrumental in diversifying the computing professoriate by offering tailored programs for doctoral students from underrepresented communities. From 2015 to 2023, 17% of LEAP fellows entered academia, surpassing the general PhD graduate average of 12%. By providing effective programs that increase exposure to academic careers, LEAP has cultivated a diverse generation of academic leaders.
- CAHSI's research programs have significantly enhanced the research, communication, and technical skills of students from marginalized backgrounds. In the past two years, CAHSI's Research Experience for Undergraduates (REU) program has engaged 233 students, 85% of whom came from underrepresented groups. Research mentors receive training and near-peer mentoring regarding how best to recruit and support historically minoritized undergraduate students in research.
- CRA-WP's Graduate Cohort Programs have guided over 5,800 women and underrepresented students through the challenges of graduate school and early career transitions. CRA-WP's Career Mentoring Workshops, attended by over 900 participants from underrepresented groups, have been particularly impactful in offering career strategies for leadership, work-life balance, and professional development.
- AccessComputing has engaged over 6,500 disabled individuals in mentoring and career development, providing 914 internships that empower students with disabilities to pursue careers in computing fields.
- The NSF Institute for African American Mentoring in Computing Sciences (NSF IAAMCS) has reached 95 institutions across 33 states, offering culturally responsive mentorship and guiding 64 PhD students through its Future Faculty & Research Scientist Mentoring Program.

NSF BPC Alliances *(continued)*

Collectively, these alliances demonstrate the immense power of targeted BPC interventions, ensuring that students from underrepresented groups both participate in and lead the future of the field.

Community Building

The NSF BPC Alliances foster a sense of community and create networks that empower individuals from historically underrepresented groups in computing.

- Through collaboration with NSF IAAMCS, the National Society of Blacks in Computing Conference grew from 89 to 154 participants between 2016 and 2019, providing essential support for Black students and faculty. In addition, NSF IAAMCS has a large virtual reach, amassing over 21,000 views on TikTok and almost 800 members on LinkedIn, transforming these platforms into vibrant hubs for knowledge exchange and networking.
- CSforALL's annual Summit brings together leaders from across the country. The 2023 Summit highlighted grassroots leadership and showcased the importance of elevating the voices of Black, Latine, Asian, and Native American communities. By creating a collective identity around equity in computer science, CSforALL is facilitating collaboration and mutual learning among participants to ensure that the field becomes more inclusive and accessible.
- NCWIT convenes more than 1,600 organizational members across the K-12, post-secondary, and industry sectors through its annual Summit and other virtual events throughout the year. The Summit has brought together nearly 11,000 change-makers since 2005. Participation across social media platforms includes more than 78,000 followers.
- STARS established the Conference on Research in Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT) in 2015, which has become an important scholarly venue and academic community for peer-reviewed research on broadening participation in computing. In 2023, to elevate and broaden the impact of RESPECT, the conference established a partnership with the ACM Special Interest Group on Computer Science Education (SIGCSE) to become one of the flagship conferences under the ACM SIGCSE umbrella. Now in its 10th year, RESPECT has resulted in the publication of 350+ peer-reviewed articles in 8 proceedings indexed in IEEE Digital Library and 4 journal issues in the IEEE Computing in Science & Engineering.

Collectively, these alliances are not just addressing participation gaps; they are building a collaborative and supportive network that propels systemic change, ensuring diversity, equity, and inclusion remain central to computing education and innovation.

Data Utilization & Research

Leveraging data and conducting research allow the NSF BPC Alliances to expand impact across the US.

- NCWIT's team of social scientists not only draw from existing social science literature, but also do primary research on mechanisms for making lasting change. NCWIT's Tracking Tool and Tech Inclusion Journey enable Higher Ed member organizations to gather data on enrollment, attrition, and retention to make data-driven decisions.
- NSF ECEP's Common Metrics Project empowers states to collect and disaggregate K-12 computer science (CS) data, ensuring that policies are informed by evidence and address disparities in access and participation. Since 2015, ECEP has made significant strides by helping state teams create tools like data dashboards and hosting state-wide summits. These initiatives catalyze change across 29 states and the territory of Puerto Rico, affecting over 33 million K-12 students.
- AccessComputing advocates for the collection of disability data by other BPC efforts and computing educators, publishing best practices. Because of AccessComputing's advocacy, multiple reports have included disability data in recent years and others have used AccessComputing's guidance to begin collecting disability data.

NSF BPC Alliances *(continued)*

- The STARS BPC Research program provides a training series, resource toolkit, and experiential learning opportunities that builds capacity and scaffolds engagement in data collection, participatory evaluation, and **research** in broadening participation in computing. Participants in the program, known as **STARS BPC Research Scholars**, work with faculty mentors to apply their knowledge to conduct a guided STARS BPC evaluation and research project.

Systems Change

At the forefront of driving systemic change in the computing field, the NSF BPC Alliances influence policies, practices, and infrastructures to create a more inclusive and equitable landscape.

- NSF ECEP's advocacy and policy efforts are impacting over 33 million students across Alliance member states, which is approximately 68% of the total K-12 student population nationwide. ECEP has also become a national hub for addressing systemic changes at a state level via state strategic plans, CS education policies, research, and CS data dashboards. Both ECEP member states and leaders outside of ECEP states leverage ECEP publications such as the State Summit and Landscape Report Toolkits, models of systemic change such as the CAPE Framework and 5-Stage Model for State Change.
- CAHSI has contributed to systemic change through its leadership in policy and organizational development, particularly with Hispanic-Serving Research Universities (HSRUs). By advocating for the recognition of these institutions in legislation like the H.R. 4372 MSI STEM Achievement Act, CAHSI has shaped national policy, while its research-informed signature practices have led to the creation of departmental action plans that improve student outcomes and promote inclusivity.
- LEAP has contributed to systemic change to the graduate recruiting and admissions practices through the LEAP Advocates. On measure of the impact of the recruiting strategies in a 24% increase in the first-year students from underrepresented communities from Fall 2021 to Fall 2022.

Collectively, these alliances are dismantling barriers and reshaping the computing field through advocacy, institutional transformation, inclusive practices, and community-driven efforts.

Creating Partnerships with the NSF BPC Alliances

The NSF BPC Alliances are excellent resources for advocates. Their resources and programs provide opportunities to: develop strategy for BPC activities at the institutional, local, or state level; participate in professional development; and support students. In addition, NSF BPC Alliances can be resources for meaningful project BPC plans that the NSF CISE directorate is requiring for many grants, and the departmental BPC plans that often lie behind the project plans. Rather than develop new activities, convenings, or guess at what might be promising practices, individual Principal Investigators and departments can draw upon existing NSF BPC Alliance programs. The table below provides a small sample of the many NSF BPC Alliance projects others can get involved in.

Ways to Connect with NSF BPC Alliances to Increase your own BPC Progress

Alliance	Opportunities for Students	Engagement for Departments & Organizations	Website / Contact
NSF AccessComputing	(*for students with disabilities) <ul style="list-style-type: none"> • Mentoring • Conference travel • Research experiences for undergraduates 	<ul style="list-style-type: none"> • Workshops • A community of practice and a network of partners working to make systemic change related to disability inclusion 	uw.edu/accesscomputing accesscomp@uw.edu

NSF BPC Alliances *(continued)*

Alliance	Opportunities for Students	Engagement for Departments & Organizations	Website / Contact
Committee on Widening Participation in Computing Research (CRA-WP)	(*for students in any group underrepresented in computing) <ul style="list-style-type: none"> Research experiences Mentoring workshops 	<ul style="list-style-type: none"> Mentoring Workshops for faculty/researchers Department Grad Cohorts Awards 	https://cra.org/cra-wp/ cra-wp@cra.org
NSF Computing Alliance of Hispanic-Serving Institutions (CAHSI)	<ul style="list-style-type: none"> CAHSI works with students at HSIs, and with staff and faculty at HSIs CAHSI serves all Hispanic PhD students in CS through the doctoral Scholars network 	<ul style="list-style-type: none"> Affinity Research Group training Guidance regarding inclusive practices in CS Resources regarding Hispanic Servingness 	https://cahsi.utep.edu/
NSF Diversifying Leadership in the Professoriate (LEAP) Alliance	<ul style="list-style-type: none"> Mentoring through academic careers workshops Formal mentoring program LEAP Advocates serve as a point a contact throughout the graduate program 	<ul style="list-style-type: none"> Faculty diversity training Academic career workshops for early career faculty 	https://cmd-it.org/project/leap-alliance/
NSF Expanding Computing Education Pathways (ECEP) Alliance	<ul style="list-style-type: none"> ECEP works at the state level via policy reform and advocacy efforts 	<ul style="list-style-type: none"> Toolkits focused on systems change Individualized coaching calls for state teams 	www.ecepalliance.org
NSF Institute for African-American Mentoring in Computing Sciences (NSF IAAMCS)	<ul style="list-style-type: none"> Future Faculty & Research Scientist Mentoring Program Fellowship Writing Workshop Series Paired Mentoring Program 	<ul style="list-style-type: none"> Campus Ambassadors Departmental Mentoring, Recruitment & Retention Plans How to Collaborate with HBCU Faculty & Departments Workshop 	iaamcs.org linkedin.com/groups/14107009/ youtube.com/@iaamcs Leadership@IAAMCS.org

NSF BPC Alliances *(continued)*

Alliance	Opportunities for Students	Engagement for Departments & Organizations	Website / Contact
NCWIT	(*for students who are gender queer, nonbinary and women) <ul style="list-style-type: none"> Aspirations in Computing awards Aspirations community network 	<ul style="list-style-type: none"> Social science based support Cohort training in departmental change (“Learning Circles”) Knowledge sharing about BPC practices (“Meeting of the Minds,” webinars) 	www.ncwit.org www.aspirations.org info@ncwit.org
NSF STARS Computing Corps	STARS Celebration Annual Conference STARS Leadership Corps & STARS AI Scholars STARS BPC Research Scholars STARS Launch: Tech Entrepreneurship & Technical Interview Workshop Series	Faculty/staff resources for supporting STARS students RESPECT conference for publishing BPC research	https://www.starscomputingcorps.org/ info@ncwit.org https://respectconference.org info@aspirations.org

Participating with NSF BPC Alliance programs and using the knowledge derived from their years of experience can bolster individual and departmental BPC efforts.

Acknowledgements: THE NSF BPC Alliances are currently funded by the following grants: 2417847, 2417833, 2416898, 2417148, 2417014, 2417666, 2417664, and 2417798.

The NSF BPC Alliance PIs are:

Brianna Blaser, Maya Cakmak, Stacy Branham, Raja Kushalnagar, Elaine Short, Ann Quiroz Gates, Mohsen Beheshti, Patricia Morreale, Enrico Pontelli, Nayda Santiago, Amanda Stent, Curtis Cain, Carol Fletcher, Sarah Dunton, Josh Childs, Kinnis Gosha, Juan Gilbert, Cheryl Seals, Justin Ballenger, Nannette Napier, Terry Hogan, Sherri Sanders, Lecia Barker, Lucy Sanders, Susan Rodgers, Tom McKlin, Burcin Campbell, Heather Wright, and Elizabeth Bizot.

Your Chance to Participate: CRA & PIT-UN Roundtables on Public Interest and Public Service in Computing



By Janine Myszka, Senior Program Associate, CRA

The Computing Research Association (CRA) and the [Public Interest Technology University Network \(PIT-UN\)](#) are jointly organizing a series of roundtable discussions focused on public interest technology and public service. The goal of this series is to foster cultural and institutional support for public interest and public service in the computing field by initiating conversations and identifying barriers to engaging in or pursuing this work.

The final roundtable, scheduled for the first week of February, is open for community input, though space is limited. If you are interested in participating, please [apply here](#). Applications must be received by **January 24, 2025** to be considered.

[Apply Now](#)

What Can You Expect?

Each roundtable consists of a one-hour call where participants engage in open discussions prompted by a set of guiding questions. CRA and PIT-UN staff take notes during the discussion, synthesize the input, and share the draft notes with participants for review, comments, or edits.

After completing the series, we aim to produce actionable recommendations that CRA, PIT-UN, and its partners can use to guide outreach and programmatic strategies over the next three years.

What is Public Interest Technology?

You likely have an idea of what public service means, but what exactly is **Public interest technology (PIT)**? It refers to a set of practices for designing, deploying, and governing technology in ways that advance the public good. Interdisciplinary by nature, it requires assessing and addressing the ethical, legal, policy, social, economic, and political implications of technology. PIT draws from technical fields like computer science, data science, and engineering, as well as disciplines such as law, public policy, movement-building, philosophy, the social sciences, the arts, and humanities. PIT emphasizes justice, dignity, and autonomy for all, particularly for those most affected by technological harms.

Who Is Involved with These Roundtables?

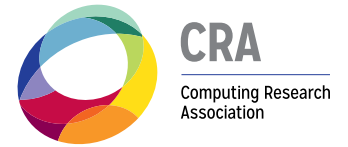
CRA is a nonprofit organization dedicated to supporting computing research and education, advancing the field of computer science. PIT-UN is a network of universities and colleges committed to advancing public interest technology. Through fostering collaboration among academic institutions, PIT-UN trains technologists who are mindful of civic responsibilities and dedicated to addressing societal challenges through technology.

Don't Miss Your Chance to Contribute

This is a unique opportunity to shape the future of PIT and make your voice heard in advancing cultural and institutional support for public service in computing. Apply now to join the conversation and help drive meaningful change. Applications close on **January 24, 2025** – submit yours [here](#) today!

[Apply Now](#)

CRA Early Career Awards: Reflections from the First Winners



By Lauren Lashlee, Senior Program Associate, CRA-E, and Matt Hazenbush, Director of Communications

The **CRA Early Career Awards** recognize rising stars in computing research who are making impactful contributions to their fields while championing diversity, equity, and inclusion.

- The **CRA Anita Borg Early Career Award** honors early-career researchers who embody the spirit of Anita Borg through significant achievements in their field and a dedication to advancing diversity in computing, particularly for women and other underrepresented genders.
- The **CRA Skip Ellis Early Career Award** is given to researchers who exemplify the legacy of Clarence “Skip” Ellis, the first African-American to earn a PhD in computer science, by combining research excellence with a commitment to increasing participation from historically excluded groups in computing.

With the January 31 nomination deadline fast approaching, we urge you to help shine a light on these emerging leaders by **submitting a nomination**. These awards rely on the community’s participation to identify and honor the future trailblazers in our field.

[Submit a Nomination](#)

To inspire your nominations, we’re spotlighting the journeys of the first recipients of these prestigious awards: Dr. Joanna McGrenere, winner of the inaugural CRA Anita Borg Early Career Award in 2004, and Dr. Tawanna Dillahunt, winner of the inaugural CRA Skip Ellis Early Career Award in 2020. Their stories demonstrate the transformative power of recognition and the lasting impact of their work on computing and diversity.



Joanna McGrenere: Pioneering Inclusive Design in HCI

“Winning the CRA Anita Borg Early Career Award was thrilling and profoundly validating,” reflects **Joanna McGrenere**, Co-Head and Professor at the University of British Columbia. “It bolstered my confidence to pursue a new research direction so early in my faculty career.”

McGrenere’s groundbreaking work in Human-Computer Interaction (HCI) has focused on making technology more accessible and personalized. Her Aphasia Project created multimodal systems for people with cognitive impairments, a previously underexplored area in HCI. “When I started, there was almost no research in this space. I had to carve out a new area and build a community,” she says.

Her team’s research has since expanded to include improving technology for older adults, addressing usability challenges, and designing adaptive and personalized interfaces. “I’m proud of how we’ve influenced both academia and industry,” she says, pointing to collaborations with IBM, Microsoft, Slack and other tech companies.

On Mentorship and Leadership

McGrenere has mentored over 50 graduate students, more than half of whom are women, a stark contrast to national averages. “I think my greatest contribution to computer science has been my mentoring,” she shares. Her advice to early-career researchers? “Find mentors with different perspectives and be proactive in seeking their guidance. Leadership is a journey – stay curious, take one day at a time, focus on all that you are learning as a leader, not perfection, and embrace it.”

Looking Ahead

As co-Head of her department, McGrenere is shaping the next generation of computer scientists. Her goal? To ensure every computer science undergraduate gains hands-on experience with user-centered design. “HCI has evolved to be more central in software creation, but we still have work to do. Technology should empower everyone, not frustrate or exclude them.”

Early Career Awards *(continued)*



Tawanna Dillahunt: Building Community-Centric Technology

For **Tawanna Dillahunt**, recipient of the inaugural CRA Skip Ellis Early Career Award, the recognition affirmed her commitment to impactful research. “It reminded me that my work was meaningful – not just for me, but for the communities I work with,” she says.

Dillahunt’s research at the University of Michigan bridges technology, employment, and community well-being. She focuses on designing digital tools that address systemic inequities, particularly in economically disadvantaged communities. “My work has shifted from fixing flawed technology to understanding the community practices that drive sustainable solutions,” she explains.

One such collaboration, with Detroit’s Eastside Community Network, revealed the importance of mentorship models rooted in trust and shared accountability. “We uncovered new mentorship frameworks—like the ‘Village’ model—that balance power dynamics and emphasize collective resilience,” Dillahunt shares.

Navigating Challenges and Embracing Growth

Dillahunt is optimistic about the opportunities presented by generative AI, despite the rapid pace of change. “I want to demystify AI for communities and ensure its development is equitable and ethical,” she says. Her NSF-funded workshops aim to engage the public in shaping responsible AI.

Mentorship, for Dillahunt, is a two-way street. “I’ve learned so much from those I mentor,” she says. Her advice to early-career researchers? “Step outside your comfort zone, commit to lifelong learning, and don’t let fear hold you back. Prove yourself to yourself, not to others.”

Shaping the Future of HCI

Looking ahead, Dillahunt envisions HCI expanding into areas like smart cities and urban planning. “I hope to inspire the next generation of researchers to think critically about the societal impact of their work,” she says.

Be Part of the Legacy: Nominate Today!

The journeys of these two inspiring computing researchers showcase the profound impact of early-career researchers in computing. Their work not only advances the field but also fosters a more inclusive and equitable future.

Do you know someone whose research and leadership deserve to be recognized? The **CRA Early Career Awards** are your opportunity to honor them.

Nominations are open through **January 31, 2025**. [Submit your nomination](#) today and help spotlight the next generation of leaders shaping the future of computing.

[Nominate Now](#)



CCC

Computing Community Consortium
Catalyst

CCC Council Member Nominations Open

By Catherine Gill, Communications Associate, CCC

The mission of the **Computing Community Consortium** (CCC) is to enable the pursuit of innovative, high-impact computing research that aligns with pressing national and global challenges. Established in 2006 through a cooperative agreement between the **U.S. National Science Foundation** (NSF) and the **Computing Research Association** (CRA), CCC provides a voice for the national computing research community, facilitating the development of a bold, multi-themed visions for computing research and communicating that vision to a wide range of stakeholders.

To fulfill its mission, the CCC seeks visionary leaders – people with great ideas, sound judgment, and the willingness to work collaboratively to see things through to completion. The Council is composed of 20-24 researchers representing the breadth and diversity of computing today.

Please help the computing community by nominating outstanding colleagues (including self-nominations) for the Council.

CCC carries out its work through an active and engaged Council, currently led by Chair **Nadya Bliss** (Arizona State University) and Vice Chair **Katie Siek** (Indiana University). The members of the Council are appointed by CRA, in consultation with NSF, for staggered three-year terms. In the aggregate, the Council strives to reflect the full breadth of the computing research community – this includes its research areas, institutional structures and geography (e.g., industry / academia, public / private, large / small, urban / nonurban), and all other forms of diversity, broadly defined. The Council is fully supported by a dedicated staff at CRA.

What do CCC Council members do?

- Help develop and lead new visioning activities (e.g., **Future of Pandemic Prevention and Response**, or **Supporting at Risk Users through Responsible Computing**)
- Shepherd visioning activities put forward by community colleagues (e.g., Workshop Series on **Artificial Intelligence / Operations Research**)
- Serve on and engage in topical CCC **Task Forces**
- Develop and lead new activities (e.g., **Artificial Intelligence Roadmap**)
- Engage with government agencies, industry, and sister organizations (NSF, NIH, NITRD, ACM, IEEE-CS, etc.)
- Write and edit white papers, blog posts, and contribute to other CCC communications efforts (e.g., **Addressing the Unforeseen Harms of Technology** white paper)
- **Respond to Government Requests for Information (RFI's)**
- Participate in monthly video conferences
- Attend 1.5 day, in-person Council meetings three times a year
- Handle other requests from and for the community, as needed

For more information about CCC, please visit our [website](#) and [blog](#).

CCC's Nominating Subcommittee invites nominations (including self-nominations) for members to serve on the CCC Council for terms beginning July 1, 2025 and concluding June 30, 2028. We are seeking new members to complement the current Council to help us achieve this goal.

The committee's recommendations will serve as input to CRA and NSF, who will make the final selection.



CCC

Computing Community Consortium
Catalyst

Council Member Nominations (*continued*)

Please **use this form to submit nominations**. The deadline to submit nominations is **February 14, 2025** at 11:59 pm ET. The following items are included:

- Name, email and affiliation
- Demographic information (gender identity, ethnicity and race)
- Research areas
- Previous service to the computing research community
- Nominee webpage
- Description of why the nominee would be a great addition
- Name and contact information of recommenders

The committee's recommendations will serve as input to CRA and NSF, who will make the final selection. If you have any questions, please direct them to the CCC Director, Mary Lou Maher (cccdirector@cra.org).

Please note that in order to represent the community and provide a breadth of knowledge and backgrounds, CCC selects new Council members from institutions different from those of continuing Council members.

If you submitted a nomination within the past three years and believe that individual would still be a good fit, please let us know along with any updates you consider relevant. We will include new information we receive when we review past nominations.

UR2PhD Provides Support for First-Time Researchers and Their Mentors - Here's How You Too Can Get Involved!



CRA-E

Computing Research Association
Education

By Julia Sepulveda, Senior Program Associate, CRA-E

The **UR2PhD program** makes it easier to mentor undergraduate researchers at scale. More than 300 undergraduates have taken the UR2PhD research training course, where they've learned and practiced essential research skills while actively contributing to a research project.

The UR2PhD team is thrilled to announce that in 2025 there will continue to be opportunities for students, mentors, and departments to get involved. In the winter/spring, summer, and fall terms, the UR2PhD program will offer the undergraduate research training course and the graduate student mentor training course. Faculty, graduate students, and first-time undergraduate researchers are highly encouraged to explore how these programs can help support their professional development.

About the Undergraduate Research Training Course

The undergraduate research training course is an apprenticeship style course designed to help students kickstart their research journey. The 10-session course enables students to work collaboratively to generate a research proposal that they can implement post-course.



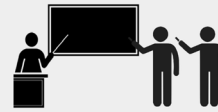
UR2PhD Support *(continued)*

There are two primary pathways into the course: institutional partnerships and individual applications. Irrespective of the entry path, all students must be working in groups of 2-4 students and must be able to attend the same synchronous course session as their groupmates in order to be eligible to participate.

Students will attend weekly synchronous course sessions led by the UR2PhD team. They will learn and apply fundamental research skills. They will complete assignments in the context of their projects. They will also complete research tasks, as assignment by their local mentor.



The students will use the skills they have learned to complete the final course assignments, which includes a research proposal and presentation.



Our team anticipates that students will receive either course credit or pay from their local institution for their engagement in the course. Students who successfully complete the course may also be eligible for additional funding opportunities, including technical conference travel awards and REU funding.

To learn more about the course and apply, please visit <https://cra.org/ur2phd/for-undergraduate-students/research-training-course/>

About the Graduate Mentor Training Course

The graduate student mentor training course is a discussion-based course where students learn how to provide practical and culturally responsive mentorship. This 11-session course helps mentors articulate their personal mentoring philosophy, while also equipping them with the skills to be able to support thriving.

There are also two primary pathways into this course: institutional partnerships and individual applications. Irrespective of the entry path, all students must be actively mentoring undergraduate researchers and able to attend the synchronous sessions in order to participate.

Students will attend the synchronous course sessions led by the UR2PhD team. They will learn and discuss skills they need to provide positive, culturally responsive mentorship. They will complete assignments, like online discussions, as assigned.



At the end of the course, graduate students will finalize their mentorship philosophy, reflect on their experience as mentors thus far and participate in a final discussion with their cohort.



Graduate students who successfully complete the course will receive a \$1,000 stipend and may become eligible for additional funding opportunities, like technical conference travel funding.

To learn more about the mentor training course and to apply, please visit <https://cra.org/ur2phd/for-graduate-students/>

UR2PhD Support (continued)

Faculty Involvement in UR2PhD

Faculty play a critical role in ensuring that undergraduate research opportunities are available to students. And UR2PhD makes it easier for faculty to onboard and continue working with students!

Faculty are encouraged to explore **institutional partnerships**, where a department commits to expanding the quality and scale of opportunities available to undergraduates. If an institutional partnership seems unlikely at this time, faculty are also welcome to recruit 2-4 undergraduate students and/or a graduate student to participate in the program.

Local coordinators at institutional partner schools are eligible to receive up to \$10,000. Faculty mentors who continue to provide research opportunities and do not have access to other funding sources may be eligible for up to \$4,000 for continuing to support researchers who have completed the undergraduate research training course.

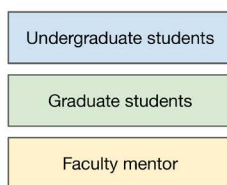
To learn more about faculty opportunities and resources, please visit: <https://cra.org/ur2phd/for-faculty-mentors/>

UR2PhD: At A Glance

The UR2PhD program offers several courses and workshops that increase student and mentor confidence in research. Undergraduate researchers who complete the research training course are encouraged to remain involved in research, putting their learnings into practice. Graduate student mentors are trusted to continue to pay-it-forward, offering positive mentorship to the upcoming generation of researchers. And faculty members are able to receive more support from both undergraduate and graduate students who possess formal training in research and mentorship.

Program flow

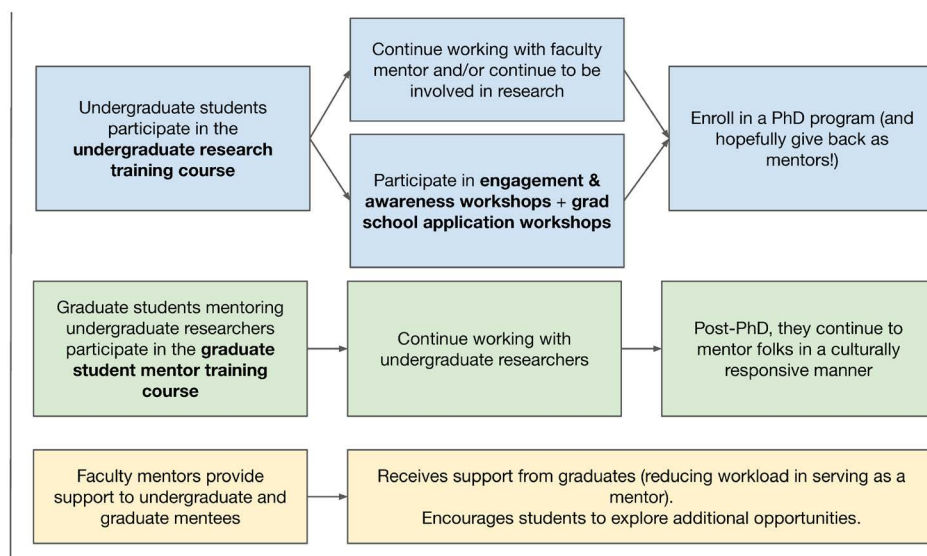
Stakeholders:



Typical structure for the course(s):

For undergrads:
Undergraduates work in groups of 2-4 under the supervision of a faculty mentor and/or graduate student

For grads: Graduate students must support at least 1 undergraduate researcher on a computing research project.



The UR2PhD program strives to retain students in the research pipeline by enhancing the quality of a student's experience within research. To learn more about UR2PhD and read about the experiences of past participants, you can visit the UR2PhD website at: cra.org/ur2phd

What Computing Practitioners Are Saying About Undergraduate Computer Science Education



By Helen Wright, Manager, CRA-I

In a recent survey conducted by the [Computing Research Association's Industry committee](#) (CRA-I) titled the [Practitioner-to-Professor](#) (P2P) survey, over 1,000 computing professionals shared their insights on the current state of undergraduate computer science (CS) education. This work has been greatly benefited from the project's advisor, Rahul Simha (George Washington University). The findings are crucial for aligning academic curricula with industry needs, ensuring that graduates are well-prepared for the workforce, while at the same time well-versed in the fundamentals of CS for a long-term career in a fast-evolving field.

Survey Overview

Launched in spring 2024, the survey gathered responses from 1,048 qualified professionals, primarily in software development roles. Notably, 54 percent of the respondents hold degrees in computer science, with a significant portion having over 21 years of experience in the field. This diverse pool highlights the importance of the feedback, reflecting a wide array of industry perspectives on necessary competencies for future graduates.

Key Findings

Curriculum Expansion

- Respondents overwhelmingly support increasing the number of CS courses in undergraduate programs. On average, they recommend adding four courses, with a strong emphasis on Algorithms, Computer Architecture, and CS Theory. The ideal total number of CS courses is approximately 18.3, which translates to 3-4 semesters of coursework.
- Additionally, there is a call for increasing foundational non-CS courses, particularly in areas like written communication, probability and statistics, and systems thinking, suggesting an average increase of 1.7 courses.

Importance of Soft Skills

- The significance of soft skills was also highlighted. Respondents noted that while these skills can be taught, universities currently do a poor job of integrating them into the curriculum. Recommended improvements include more emphasis on oral communication skills and a broader liberal arts education, which could be more effective in developing these essential capabilities.

Role of Mathematics

- The connection between mathematics and computer science is evident, with 65% of respondents expressing a love or interest in pursuing additional mathematics courses. The most crucial areas include Statistics, Linear Algebra, and Discrete Mathematics, underscoring their relevance to fields such as AI and data science.

Suggestions for Programming Education

- Survey participants emphasized that problem-solving skills should take precedence over programming language proficiency. While it is important to understand one language deeply, exposure to multiple languages is also recommended, supporting the idea that adaptability is crucial in this ever-evolving field.

Database Education

- In terms of database education, practitioners advocate for a balance between theoretical knowledge and practical experience, stressing the need for students to grasp key concepts like normal forms and relational algebra alongside hands-on experience with SQL.

The findings from the CRA P2P survey provide invaluable insights into how undergraduate computer science education can evolve to better meet the needs of the industry. As academia continues to foster partnerships with the tech industry, implementing these recommendations may ensure that graduates are not only knowledgeable but also equipped with the skills necessary for successful careers in computing.

Undergraduate Computer Science Education *(continued)*

Stay tuned for the full report available in early 2025, promising a deeper analysis of these findings and their implications for CS education. [See the summary here.](#)

This project is being partially supported by the Division of Undergraduate Education at the U.S. National Science Foundation under Award #2110815 under a larger umbrella project called DEAP. Any opinions, findings, 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.

Supporting At-Risk Users Through Responsible Computing



By Catherine Gill, Communications Associate, CCC

Last week CCC held a workshop on **Supporting At-Risk Users Through Responsible Computing** in Washington, D.C. We brought together 49 experts from industry, academia, and civil society, to explore the specific challenges at-risk users face online, and how the research community can best support and protect these people.

The media often highlights certain groups of individuals who have a higher risk of experiencing technology-facilitated abuse than others, frequently publishing stories focusing on children and older adults. However, these groups only comprise a portion of at-risk online users. The organizers of this workshop strived to include researchers working with a broad range of at-risk populations to improve the understanding of



at-risk groups. Attendees at the workshop included individuals working with refugees, veterans, individuals with PTSD, survivors of intimate partner abuse, neurodivergent people, individuals with physical and mental disabilities, LGBTQ+ users, BIPOC individuals, children, teenagers, older adults, chronically ill individuals, low-literacy individuals, and other historically-excluded groups.

On Day 1 of the workshop, researchers shared the methods, frameworks, and theories they employ while working with at-risk populations, and how these methodologies differ when working with disparate groups. Since many members of one at-risk population identify with or belong to additional at-risk groups, researchers also discussed how their approaches can be employed or modified to benefit individuals belonging to multiple at-risk groups. On Day 2, participants worked within those frameworks and identified short and long-term solutions to benefit at-risk users, as well as research areas to pursue.

The organizers are now hard at work drafting a report to synthesize the findings from the workshop. Stay tuned to hear how the computing community can enhance current efforts and pursue new research directions to protect vulnerable online populations.

UR2PhD is Hiring Workshop Designer-Facilitators and TAs



By Julia Sepulveda, Senior Program Associate, CRA-E

Are you someone who enjoys giving back to the research community and working with undergraduates? The UR2PhD is filling a few roles that you may be a good fit for!

In the spring of 2025, the UR2PhD program will be hosting the third iteration of the Computing Research Engagement and Awareness series. These monthly workshops help engage undergraduate students and teach them more about computing research, research careers, and research pathways. As part of the series, UR2PhD is seeking to hire a Designer-Facilitator to co-plan, develop, and lead 4 workshops between February and May. Designers will be compensated with a \$3,000 stipend. [Learn more and apply for the role.](#)

From February to April, the **UR2PhD program** will also be offering its undergraduate research training course, a synchronous course that teaches students foundational research skills, like how to read a research paper, how to conduct a literature review, and how to draft a research proposal. The UR2PhD team will be hiring graduate student teaching assistants (TAs) to facilitate student learning and provide administrative support.

Apply Today

Expanding the Pipeline: An Ecosystem for the Integration of AI in Education



By Thomas K. F. Chiu, Chinese University of Hong Kong

Integrating AI into education might worsen educational inequality, which depends on educator and learner AI competency, as well as the quality of AI educational technology. AI applications have the potential to support learner self-regulated learning.

However, most of these applications, like ChatGPT and Midjourney, are not intentionally designed for education purposes with inclusivity in mind. They may favor learners who already have strong academic performance, AI competency, and critical thinking. Learners with less competency and experience may struggle to benefit from AI applications.

To mitigate these risks, it is crucial to ensure that AI applications should not be repurposed for educational purposes; rather, they should be developed for educational purposes intentionally. We also need to ensure all young learners should be competent to use AI throughout their lives, study, and work.

Therefore, we may need to consider these two questions for integrating AI in education. What are the potential challenges associated with this integration? What can we (as computer science professionals) do to address these challenges?

What Are the Potential Challenges Associated with AI Integration?

1. Educational Gap in AI Applications Development

The current development of AI applications is not appropriate for the learning needs of less knowledgeable learners. The less knowledgeable learners may not be able to make appropriate judgments on the output generated or recommended by the applications. They only passively receive the resources and complete assignments without the requisite critical thinking, resulting in no learning.



Expanding the Pipeline *(continued)*

These applications may not be effective for learning, i.e., not genuine educational technology, falling into a dilemma of ChatGPT vs. EduGPT (the latter is anticipated to generate outputs with reduced general biases and errors). Examples of EduGPT include LLMs for mathematics learning in grades K-16, literature searches in higher education, and language learning in all ages.

2. Insufficient Student Learning Opportunities for AI Competency

AI is ubiquitous in our lives. All learners should be competent enough in AI to live, learn, and work with it. They should have a fundamental understanding of what AI is, how it processes data, and its ethical and societal implications. Knowing and understanding AI is not enough. They must possess the confidence to use AI ethically, healthily, safely, and productively in a specific context. However, our learners lack the learning opportunities to enhance their AI competencies.

3. Insufficient Student Prerequisites or Prior Knowledge

Learners must possess a solid understanding of the relevant prior subject knowledge to properly regulate their learning with AI. Prior subject knowledge is strongly associated with critical thinking. For example, learners without a programming background are less able to judge whether outputs generated by AI applications, like GitHub Copilot, are appropriate or not for their learning. Using AI in learning could be overwhelming for learners without prior experience and subject matter expertise.

4. Limited Access to High Quality AI Educational Applications

Access to high-quality AI educational applications is another critical factor. Learners in underfunded/under-resourced communities, school districts, and public institutions often lack exposure to the equipment, tools, and software necessary to advance their learning. This disparity means that the disadvantaged learners may not have the learning opportunities to learn AI and learn with AI.

What Can We Do to Address These Challenges?

In this article, I suggest two views – macro (ecosystem) and micro (co-design process and AI competency for all) – to address multiple facets of educational inequity for AI.

1. Education Ecosystem for AI

Collaborations between universities, schools, industries, content providers, and governments are also critical for eliminating systemic barriers to education equality and ensuring that all learners have equal opportunity to succeed. It's critical that donated AI tools and applications are vetted for biases that any particular company may want to inject so as to avoid indoctrination (religious, political, racial, etc.).

Tools and applications should be culturally responsive to the learner rather than promulgating thinking that may not be diverse, equitable, and inclusive. We should establish an education ecosystem for AI to facilitate and sustain these collaborations. It is a network of interconnected stakeholders who assist learners and provide high-quality education that is both inclusive and diverse.

This ecosystem should value each stakeholder and their involvement in accomplishing the common objective—AI for quality education. Each stakeholder plays a unique and complementary role in ensuring equilibrium. They work together to create an environment that promotes effective learning by giving learners opportunities and effective resources, like EduGPT and effective adaptive learning, for free or at a low cost. The ecosystems can improve student learning experiences in all levels by offering high-quality AI educational applications.

2. Co-Design Process

Designing and developing high-quality AI educational applications requires collaboration from learners, educators, researchers, and developers, and should be culturally responsive to the learner. To improve their comprehension of educational data, AI educational technology developers should employ a co-design process to integrate viewpoints from the stakeholders.



Expanding the Pipeline *(continued)*

For example, educational data encompasses the different interactions between content, teachers, and learners. Instead of developing applications purely for their personal convenience, developers use a genuine co-design process to produce applications that explicitly address the demands of teachers and learners.

AI Competency for All:

AI competencies should be included in K-16, which calls for universities and schools to provide related courses or curriculum for all learners, especially those with disabilities. We should move from AI literacy (more about knowing) to AI competency (more about applying the knowledge in an effective and beneficial way).

For example, all the faculty in a given university can design their own AI competency courses for their student needs; all learners in middle school can learn about AI. It is very important for AI professors to work with different faculties and schools to develop those resources and curriculum for diverse learner needs.

Final Words

This article explores several challenges and potential actions related to the integration of AI in education. The integration of AI in education is still in its early stages, with numerous unresolved concerns. AI is interdisciplinary, and computer science professionals can assist stakeholders in the educational sector to develop an ecosystem and effective AI educational applications.



About the Author

Thomas K. F. Chiu is an Assistant Professor of AI and education at the Chinese University of Hong Kong. He has a strong academic background in software development and mathematics. He is a professor member of ACM and was a software developer and an Oracle trainer. He is consistently named in the top 2% most cited scientists by Stanford University. Currently, he serves as an editor/associate editor for four international journals in educational technology. He has collaborated with local, regional, and international scholars to develop AI and education programs for schools and universities.

Future of Information Retrieval Research in the Age of Generative AI CCC Workshop Report Published



By Haley Griffin, Senior Program Associate, CCC

For many of us, it is hard to remember a time when finding information wasn't ubiquitous with an internet search. With the rising popularity and influence of AI, what is next for the future of information retrieval? CCC addressed this question and others during the Future of Information Retrieval Research in the Age of Generative AI Workshop this summer in Washington, D.C.

Today, the CCC is thrilled to announce the release of the Future of Information Retrieval Research in the Age of Generative AI Workshop Report. The report was authored by the Workshop Organizers: James Allan (University of Massachusetts Amherst), Eunsol Choi (University of Texas at Austin / New York University), Daniel P. Lopresti (Lehigh University / CCC) and Hamed Zamani (University of



Future of Information Retrieval Research (*continued*)



Massachusetts Amherst). The authors also received generous writing support from the workshop participants (the contributors list is on pages 38-39 of the report).

The report includes robust descriptions of many different directions for IR-GenAI research. Each of the topics below has sections on (1) a brief summary of the key observations, challenges, and opportunities, (2) short term research topics and recommendations, and (3) long term research topics and recommendations:

- Evaluation challenges and needs in IR-GenAI
- Learning from implicit and explicit human feedback for solving complex problems that may require reasoning
- Understanding and modeling users for the evolving generative AI-powered information access systems
- Challenges and potential solutions to address or mitigate socio-technical issues raised by the new technologies in IR-GenAI
- Methods for developing personalized IR-GenAI systems
- Efficiency considerations when scaling compute, data, and human efforts in developing IR-GenAI methods
- The role of information retrieval in enhancing AI agents
- Developing foundation models specifically for information access and discovery

There is also a section on Recommendations for Funding Agencies and Researchers on topics like evaluation campaigns, computing infrastructure and resources, and funding programs supporting collaborative research.

You can read the [full workshop report](#) on the CCC website, and also engage with the [LinkedIn post announcing the report](#) on the CCC LinkedIn page.

Supporting Mental Health with Computing Research



CRA-E

Computing Research Association
Education

By Alejandro Velasco Dimate (CRA-E Fellow, College of William & Mary) and Emma McDonald (CRA-E Fellow, University of Alberta)

This Q&A highlight features Liza Jivnani, an Honorable Mention in the 2024 CRA Outstanding Undergraduate Researchers award program. Liza is an undergrad at the University of South Florida.

What brought you to computing research?

Growing up, I was deeply impacted by my uncle's experiences with medical misdiagnosis and bipolar disorder. Witnessing his challenges inspired my desire to contribute to healthcare, but becoming a healthcare practitioner was not feasible for me due to financial and logistical constraints. Instead, I found my passion in computer science, and research became the perfect intersection of my interests and aspirations. My work in affective computing, which focuses on understanding and interpreting human emotions, allows me to contribute meaningfully to areas like psychiatric and neurological disorders, blending my technical skills with a mission to improve lives.



*Liza Jivnani, B.S. in Computer Science,
University of South Florida*

How would you describe your research journey?

I began my research journey by sending emails to professors, expressing my interest and eagerness to get involved. I had an existing portfolio of side projects, which helped demonstrate my willingness to learn and contribute. This led to an opportunity to join the computer vision and affective computing lab, where I gained hands-on experience working on impactful projects. One of these was the loneliness project, where I collaborated closely with my advisor, **Dr Shaun Canavan**, and a psychology professor, **Dr Fallon Goodman**. Another significant project that I worked on was about decision-making in high-stress scenarios, such as military operations or emergency responses. We used physiological markers like ECG, skin temperature, and breathing rate, alongside self-reported measures, to predict emotional responses. Collaborating with the U.S. Army, we developed a bomb-defusal task to better understand how emotions influence decision-making, with the goal of informing training workshops and intervention strategies for high-stakes professions. So far, I have had six publications, including one under review.

What can you tell us about your research?

My research focuses on predicting loneliness using emotional data, inspired by my personal experiences as an international student and the widespread issue of loneliness in society. My team and I analyzed self-reported affect data collected over 14 days to predict loneliness levels on the 14th day. This work could have applications such as monitoring and improving the mental well-being of patients in psychiatric wards or care systems. The vision is to create systems that enhance mental health care by identifying loneliness early on. Currently, we are expanding this research to explore how demographics, such as race, ethnicity, and political beliefs, influence loneliness, aiming for a deeper understanding of its broader dynamics. I presented our **work** at Affective Computing and Intelligent Interactions in 2023.

What do you enjoy and what do you find challenging about research?

What I love most about research is the sense of purpose and the ability to make a meaningful impact. For example, working on the loneliness project was deeply fulfilling, as it allowed me to address a real problem and contribute to something bigger, especially given its personal connection to my uncle's struggles. On the other hand, one of the biggest challenges was the technical gap I faced early on. As a freshman collaborating with experienced PhD students, I often felt out of my depth. However, focusing on what I could

Supporting Mental Health with Computing Research *(continued)*



CRA-E

Computing Research Association
Education

contribute and embracing the learning process taught me how to work with diverse skill sets, adapt to new environments, and build resilience as a researcher.

How do you stay motivated?

A lot of my motivation comes from the support and guidance of my advisor. Whenever things are not going as planned, like when a paper gets rejected with major revisions, he is there to provide direction and reassurance. Having someone so invested in my growth has made it easier to stay motivated, even during setbacks. Outside of research, I find motivation and balance through my hobbies, especially my involvement in education. I co-founded a small nonprofit school in St. Petersburg, Florida, called **Kadoka Academy**, where I spend my weekends. This is my way of relaxing and staying connected to something meaningful outside of academia. The school focuses on teaching life skills that may not be addressed in traditional classrooms, like how to build meaningful relationships, navigate difficult conversations, or manage personal growth. We invite people from various backgrounds, like scientists, artists, entrepreneurs, and physicians, for fireside chats to share their experiences.

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

You might not like my answer, but I believe research is not something you do just because it sounds cool. It is important to have a clear motivation or sense of meaning behind why you want to pursue it. Ask yourself: What new thing are you trying to bring into the world? What problem or question genuinely excites you? Research is more for yourself than for the outside world. It comes from an internal place of curiosity and purpose. My advice would be to first reflect on your “why.” If you have clarity about that, everything else -- finding opportunities, learning, and staying committed -- will naturally fall into place.

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Expanding the Pipeline

Soha Hassoun, Tufts University
Patty Lopez, New Mexico State University
Amanda Stent, Bloomberg

Arizona State University

School Director for the School of Mathematical and Natural Sciences

The School of Mathematical & Natural Sciences (SMNS) invites applications for School Director. SMNS is an interdisciplinary school in the New College of Interdisciplinary Arts and Sciences at Arizona State University (ASU). The successful candidate will provide visionary leadership and management for SMNS and grow the school in accordance with the values outlined in the ASU Charter. This position requires appointment at the rank of Full Professor at ASU. For complete qualifications and application information, see <http://apply.interfolio.com/155086>. The application deadline is October 23, 2024. ASU is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer.

Barnard College

Assistant Professor

Barnard College invites applications for a tenure-track assistant professor in Computer Science to start July 1, 2025. 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 department 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/hiring/assistant-professor-computer-science-2025>.

Binghamton University

Assistant Professor in Computer Science

The School of Computing at Binghamton University (one of the SUNY Centers) invites applications for three tenure-track positions at the Assistant Professor level with an expected start date of January 1, 2025 or September 1, 2025. We are looking for excellent candidates in broad areas of Computer Science and Information Systems research, including but not limited to Computer Architecture and Systems, Software Engineering, Natural Language Processing and AI for Social Good.

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.

Boise State University

Tenure-Track Assistant Professor, Artificial Intelligence

Boise State's Department of Computer Science is accepting applications for a tenure-track Assistant Professor position, with a focus on artificial intelligence (generative artificial intelligence, large language models, computer vision, natural language processing, deep learning, etc.) to start fall of 2025.

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

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

Please visit <https://jobs.boisestate.edu/en-us/job/498645/assistant-professor-of-computer-science-artificial-intelligence> for application requirements and submission. The search will remain open until the position is filled. **Review of applications will begin November 11th, 2024.**



Assistant or Associate Professor, Tenure Track, Computer Science - Software Engineering

Location: Waco, Tx

Open Date: Oct 02, 2024

Deadline: May 30, 2025 at 11:59 PM Eastern Time

Description:

The Department of Computer Science at Baylor University seeks qualified candidates for two tenure-track positions with the rank of **Assistant or Associate Professor** beginning August 2025. Successful candidates must have a Ph.D. in Computer Science, Software Engineering, or a closely related field. They will also have a commitment to excellence in teaching, exhibit the potential to support an independent research agenda, and have effective communication and organization skills.

Selected candidates will be expected to initiate and carry out research and perform academic duties associated with our undergraduate and graduate programs. The primary responsibilities are teaching courses, developing an externally funded research program, and leading graduate and undergraduate students in research.

Baylor's ABET-accredited CSI program currently has 11 tenured/tenure-track faculty including the McCollum Family Chair in Data Science and 7 lecturer faculty members. The faculty are internationally recognized in research areas including software engineering, data science, bioinformatics, machine learning, cybersecurity, big data, and computer systems. The department is housed within the Hankamer Building and the Baylor Research and Innovation Collaborative (BRIC; see <https://bric.research.baylor.edu/>). The department offers BS (including a Software Engineering concentration), MS (both online and in-person), and PhD degrees in Computer Science. It also offers the BSI degree with majors in Bioinformatics, Data Science, and Cybersecurity. Current enrollment is over 400 undergraduate and 80 graduate students. Additional information regarding the department, including its mission, is available at <https://www.ecs.baylor.edu/research-departments/computer-science>

Located in Waco, Texas, Baylor University is the oldest college in Texas. With a population of around 21,000 students, Baylor is one of the top universities in the nation, having just been named an R1 institution by the Carnegie Classification in 2022. Baylor is also on the honor roll of the "Great Colleges to Work For" from The Chronicle of Higher Education, Baylor offers competitive salaries and benefits while giving faculty and staff the chance to live in one of the fastest-growing parts of the state. Our strategic plan guides the University as we continue to live up to Baylor's mission of educating men and women for worldwide leadership and service by integrating academic excellence and Christian commitment within a caring community.

Qualifications:

- A Ph.D. in Computer Science, Software Engineering, or a closely related field is required.
- Preference will be given to candidates with demonstrated excellence in research activities, publications, and teaching.
- Special consideration will be given to candidates who have demonstrated strong scholarship and have an established and active independent research agenda in software engineering or closely related areas.
- All candidates are expected to exhibit a passion for teaching and mentoring at the graduate and undergraduate levels.
- Qualities of a successful candidate for a senior position include leadership experience and a strong record of an independently funded research agenda.

Application Instructions: To apply, visit: <https://apptrkr.com/5699215>

Please provide the following documents through Interfolio:

- Cover letter, which includes the applicant's anticipated rank
- CV (Curriculum Vitae)
- Statement of research interests
- Statement of teaching interests related to Baylor's programs
- Contact information for at least three professional references
- Academic transcript of highest degree earned (Unofficial is accepted)
- Religious Affiliation Form (found in Interfolio)

The following documents are optional:

- Example publications

To ensure full consideration, all materials must be submitted by December 1, 2024.

Baylor University is a private not-for-profit university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity employer, Baylor is committed to compliance with all applicable anti-discrimination laws, including those regarding age, race, color, sex, national origin, military service, genetic information, and disability. Baylor's commitment to equal opportunity and respect of others does not undermine the validity and effect of the constitutional and statutory protections for its religious liberty, including, without limitation, the religious organization exemption under Title VII of the Civil Rights Act of 1964, the religious exemption to Title IX of the Education Amendments of 1972, and the Free Exercise Clause of the First Amendment to the United States Constitution, among others. Baylor encourages women, minorities, veterans, and individuals with disabilities to apply. EEO/M/F/Vets/Disabled

Boise State University

Tenure-Track Assistant Professor, Cybersecurity

The Department of Computer Science at Boise State University is accepting applications for a tenure-track Assistant Professor position, with a focus on cybersecurity. Strong candidates in other areas of Computer Science and closely related fields will also be considered.

Responsibilities include teaching undergraduate and graduate courses, developing a strong research program funded by external sources, supporting and mentoring undergraduate and graduate students, and providing service to the University and the profession along with other activities typical for a tenure-track faculty. Candidates will start in the fall of 2025.

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

The search will remain open until the positions are filled. **Review of applications will begin on November 3rd, 2024.**

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

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

Application Procedure Instructions:

Please visit <https://jobs.boisestate.edu/en-us/job/498622/assistant-professor-of-computer-science-cybersecurity> to submit a cover letter addressed to the CS Cybersecurity Search Committee indicating your interests and qualifications for this position, a CV that includes employment history, and statements of research and teaching interests. Provide three professional references with contact information.

Boston University

Tenure-Track Assistant Professors

The Faculty of Computing & Data Sciences (CDS), a novel academic unit that bridges the 17 schools and colleges at Boston University, invites applications for multiple tenure-track Assistant Professor and tenured Associate Professor positions. All candidates pursuing foundational or use-inspired research related to computing and data sciences will be considered (see our current faculty here). Candidates working in one or more of the following broad areas of research are especially encouraged to apply.

- Research focused on core machine learning and theory and methods, including but not limited to deep

learning, generative AI, natural language processing, and large language models.

- Research in computational systems and software infrastructures for data science, including but not limited to cloud-scale data engineering and systems for at-scale machine learning & AI.
- Research with ties to the social sciences and humanities, including but not limited to human-centered computing & HCI, economics & computation, sociology, behavioral science, and law & ethics.
- Research with ties to the natural sciences, including but not limited to applications in astronomy, biological & medical sciences, chemistry, neuroscience, physics, and earth & environment.

Candidates whose research also involves machine learning and AI are encouraged to apply both to this solicitation as well as to the Boston University cluster hiring initiative in AI: <https://academicjobsonline.org/ajol/jobs/28310>.

Boston University is a member of the American Association of Universities with over 37,000 students from more than 140 countries and over 10,000 faculty and staff supporting over 300 programs. It is one of the largest private R1 universities in the US, spending over \$725M in FY 2022, ranking 16th among private research universities.

Founded in 1919 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. Over 50 faculty already are associated with CDS. Building on BU's founding mission of equal access, including being first in the nation to admit women to medical school, to graduate a Native American physician, and to award a PhD to a woman, CDS is committed to building a culturally, racially, and ethnically diverse scholarly community and to increasing participation of all talented students, especially women and other groups who are underrepresented in Computing and Data Sciences. Our university community welcomes differences, encourages open-minded exploration, and upholds freedom of expression.

BU expects excellence in teaching and in research, qualifications required of all applicants include a PhD in a discipline relevant to foundational or use-inspired computing research; a strong record of research; a demonstrated capacity for collaboration; and a commitment to innovation in teaching at the undergraduate and graduate levels.

Applications can be submitted through the web portal at <https://academicjobsonline.org/ajo/jobs/28499>. Priority will be given to candidates who submit their application by December 1, 2024 but consideration and review of applications will continue on a rolling basis until April 30, 2025.

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

AI Faculty Hiring Initiative

Boston University (BU) invites applications for at least seven tenure-track faculty positions, and a number of possible non-tenure track positions, as part of a multiyear cluster hiring initiative in Artificial Intelligence (AI). This university-wide initiative, led by the Faculty of Computing & Data Sciences (CDS) in partnership with five schools and colleges at BU (Arts & Sciences, Business, Communication, Engineering, and Medical) 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, Data Science, Electrical & Computer Engineering, Emerging Media Studies,

Information Systems, Linguistics, and Medicine. Successful candidates recruited through this initiative will have the opportunity to benefit from programs and pooled resources that the University will make available through CDS.

All candidates pursuing basic or applied research in data science, machine learning, and AI will be considered. 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 exploration of connections with topics in areas such as linguistics, cognition, algorithms, physics, biology, and biomedicine.
- 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, cognition, behavioral neuroscience, HCI, immersive media, business, finance, economics, public policy, regulatory compliance, and future of work.

An AAU institution with over 37,000 students from more than 140 countries and over 10,000 faculty and staff supporting

over 300 programs of study and over \$650M of sponsored research projects, BU is one of the largest private RI universities in the US. 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 language of computation and data and to spur civic-minded innovation driven by data science and AI.

Building on BU's founding mission of equal access, including being first in the nation to admit women to medical school, to graduate a Native American physician, and to award a PhD to a woman, BU is committed to building a culturally, racially, and ethnically diverse scholarly community and to increasing participation of all talented students, especially women and other groups who are underrepresented in Computing and Data Sciences. Our university community welcomes differences, encourages open-minded exploration, and upholds freedom of expression.

BU expects excellence in teaching and in research, 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/28310>, 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, 2024 and will continue on a rolling basis until April 15, 2025.

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.

Brandeis University

Tenure-track Assistant Professor of Computer Science

The Department of Computer Science at Brandeis University invites applications for a tenure-track assistant professor position in the area of Cyber Security and Privacy beginning Fall 2025. Qualifications required of all applicants include a Ph.D., awarded by Fall 2025, in Computer Science or a related

discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels. We seek exceptional candidates in all areas of Cybersecurity and Privacy as well as candidates exploring emerging or interdisciplinary topics that push the boundaries of these fields.

Qualified applicants should apply at <https://academicjobsonline.org/ajo/jobs/28808>.

California Institute of Technology

Faculty Position in the Engineering and Applied Science Division: Information, Systems and Computing (ISC)

The Division of Engineering and Applied Science at the California Institute of Technology invites applications for tenure-track/tenured faculty positions. Preference will be given to candidates at the Assistant Professor level; however, well-qualified applicants at the associate or full professor level may also be considered.

We seek highly qualified candidates committed to a career in teaching, mentoring and research excellence in the broad areas of Information, Systems and Computing. Of particular interest are candidates that have innovated within any number of a wide range of domains, including but not limited to applied and computational math, computer science, machine learning, optimization, control & dynamics, robotics & autonomy, signal processing, information theory, quantum computation, and the mathematics of data and models.

This is a joint search between the Department of Computing + Mathematical Sciences, the Department of Electrical Engineering, and the Department of Mechanical and Civil Engineering that reflects the unique interdisciplinary nature of Caltech. A successful candidate will join one of these departments, or a combination thereof, as best reflects their interests in teaching, mentorship, and research. It is also anticipated that a successful candidate would collaborate broadly with investigators both within and beyond the Engineering and Applied Science Division, as well as in centers at Caltech including, for example, the Jet Propulsion Laboratory, the Center for Autonomous Systems and Technologies, the Institute for Quantum Information and Matter, the Chen Institute for Neuroscience, the Merkin Institute, and the Resnick Sustainability Institute.

Applications should be submitted online. Reviewing of applications will begin on November 12th, but full consideration will be given to all candidates who apply by December 13, 2024.

The appointment is contingent upon completion of the Ph.D. degree in an appropriate engineering or science related discipline. Applications should include:

1. A brief cover letter.
2. Curriculum vitae.
3. Relevant publications.
4. a research statement describing research highlights and future goals and plans.
5. an education statement that addresses the applicant's thoughts on classroom

and laboratory instruction, mentorship of students and postdoctoral scholars, and ways to foster an inclusive, equitable environment for the development of scholars who come to Caltech with many different backgrounds and experiences

Salaries for professorial faculty at Caltech fall in the range of \$125k - \$400k.

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

Carnegie Mellon University in Qatar

Teaching Track Faculty (Open Rank)

Carnegie Mellon University (CMU) in Qatar seeks applicants for two teaching-track positions beginning in Fall Semester 2025 (starts 1st August 2025).

Our most immediate needs are for candidates who can teach courses in one of these two areas: data science or the design and development of information systems. We also welcome candidates who can teach topics such as Artificial Intelligence, IS consulting, emerging technologies, digital innovation, databases, and other core information systems courses and concentrations.

The expected teaching load is 2-2 with opportunities to engage in research. These positions, based at CMU's branch campus in Doha, Qatar, offer competitive

salaries, research seed funds, attractive professional development support, excellent international health care coverage, and allowances for housing, travel, and schooling (if eligible), among other benefits.

For more details visit: <http://apply.interfolio.com/156158>

Carnegie Mellon University in Qatar

Faculty in Computational Biology

Carnegie Mellon University (CMU) in Qatar invites applications for a teaching-track faculty position in Computational Biology (CompBio), starting in Fall 2025. The appointment is at the rank of assistant professor, but candidates with substantial teaching experience and significant research impact may be considered for higher levels.

Candidates must have a Ph.D. in Computational Biology, Computer Science, or related field, with outstanding academic credentials. The position expects strong interest and commitment to teaching, mentoring, and supporting students at the undergraduate level. It involves teaching classes in CompBio and introduction to programming. Besides being excellent educators, candidates are expected to actively engage in activities such as research, outreach, advising, and/or curriculum development.

More information can be found in this link and applications can be submitted through Interfolio at: <http://apply.interfolio.com/155105>.

Carnegie Mellon University in Qatar

Postdoctoral Positions

Carnegie Mellon University in Qatar invites applications for one or more postdoctoral positions. These positions are designed for candidates who are interested in enhancing their teaching portfolio, along with their research portfolio, to be better prepared for future academic positions. The positions expect candidates to relocate to Carnegie Mellon's campus in Doha in August 2025.

Application reviews will begin on November 1st, but they will be accepted until the position is filled. More information can be found in this link and applications can be submitted through Interfolio at: <https://apply.interfolio.com/155383>

Cleveland State University

Chair and Professor in Computer Science

Chair of Computer Science

Cleveland State University (CSU) seeks a dynamic and visionary Chair for the Department of Computer Science (CS) to lead and grow the department beginning July 1, 2025. Salary is commensurate with qualifications and competitive with other research-intensive universities. For the full position details and application guidelines, please visit <https://hrjobs.csuohio.edu/postings/22297>

Responsibilities include leading the undergraduate and graduate programs; improving student enrollments; managing budget and resources; leading the

development of the department's mission and strategic plan; supporting and advancing the department's teaching, research and service; representing the department internally and externally; and enhancing the image of the department, college, and university.

The department has 18 full time faculty, ~300 undergraduate students, and ~500 graduate (Master's and Ph.D.) students. It offers a B.S. degree in Computer Science (ABET-accredited) and a new B.S. degree in Data Science, as well as Master's degrees in Computer Science and Software Engineering. The College offers a Ph.D. in Engineering degree with specializations in Computer Science and Applied Data Science (ADS), the latter being a joint program with the Cleveland Clinic.

Our faculty participate in a collaboration with the Cleveland Clinic and IBM in Quantum Computing. The department is central in the \$565 million JobsOhio, Cleveland Innovation District project, aiming at creating more than 20,000 Ohio jobs over the next decade. Computer Science is leading a university-wide initiative to develop combined/integrated degree programs by combining different disciplines. The faculty are active in externally funded research in a variety of areas, including data science, AI/ML, cybersecurity, Internet of Things, and quantum computing. There are many options for collaboration with a variety of companies and other organizations, including the Cleveland Clinic and the NASA Glenn Research Center, as well as other universities.

About Cleveland State University:

CSU is Cleveland's regional, public, urban and research institution, with more than 14,000 students and 150+ academic programs. CSU's strategic alliances with industry, government and community partners afford students invaluable hands-on learning experiences and actively contribute to the region's economic advancement. CSU's lively campus community centers on inclusivity, diversity and civic engagement.

CSU was named on the Forbes list of America's Best Employers 2024, highlighting the University's commitment to its renowned faculty and staff who are dedicated to enhancing the student experience and fostering academic excellence.

Minimum Qualifications

- Applicants must have earned a Ph.D. in Computer Science or closely related field. It is expected that the applicant will qualify for a position at the rank of Professor with tenure;
- Demonstrated evidence of strong record of leadership and administrative experience in professional/research/teaching/service environments;
- Strong teaching and student mentoring record;
- Strong record of curriculum development and enhancement;
- Strong record of research experience;
- Excellent communication skills; and
- Excellent organizational and leadership skills.

Preferred Qualifications

- An outstanding record of securing external funding from various agencies and industry as Principal Investigator;
- Administrative or leadership experience within a college or an organization at the level of at least chair or director;
- Prior experience with ABET accreditation;
- Undergraduate or Master's degrees in Computer Science or related field; and
- Experience in promoting and leading the diversity, equity and inclusion efforts.

Applicant Instructions

Please apply at <https://hrjobs.csuohio.edu/postings/22297>. Mailed or emailed application materials will not be accepted. The application review process will start on September 16, 2024. The search will continue until the position is filled. All inquiries about the position should be directed to the Search Committee Chair, Lili Dong at l.dong34@csuohio.edu.

List of documents the applicant is required to submit:

- Cover Letter
- Curriculum Vitae
- Teaching Statement
- Research Statement
- Unofficial Transcript
- Name and contact information of five references – references will be contacted via email to upload a letter of support

Colorado State University

Assistant Professor in Computer Science, Cybersecurity

The Department of Computer Science at Colorado State University (CSU) invites applications for two (2) tenure-track positions at the level of Assistant Professor beginning in Fall 2025. The successful candidates must demonstrate potential for excellence in research, teaching and service that is consistent with a Carnegie RI university. A Ph.D. in computer science or closely-related area is required by the start of the appointment. The department is specifically looking for candidates with expertise in Cybersecurity. For the complete posting and to apply, please visit: <https://jobs.colostate.edu/postings/151150>

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

Colorado State University

Assistant Professor in Computer Science, Quantum Algorithms

The Department of Computer Science at Colorado State University (CSU) invites applications for two (2) tenure-track positions at the level of Assistant Professor beginning in Fall 2025. The successful candidates must demonstrate potential for excellence in research, teaching and service that is consistent with a Carnegie RI university. A Ph.D. in computer science or closely-related area is required by the start of the appointment. The department is specifically looking for candidates with expertise in Quantum

Algorithms. For the complete posting and to apply, please visit: <https://jobs.colostate.edu/postings/151035>

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

Cornell University

Lecturer/Senior Lecturer Position- Computer Science

Full-Time Lecturer & Senior Lecturer Opportunity

The Cornell University Department of Computer Science (CS) in the Cornell Ann S. Bowers College of Computing and Information Science (Bowers CIS) invites applications from outstanding candidates with a passion for undergraduate teaching for a Lecturer & Senior Lecturer position at Cornell's Ithaca campus. Lecturers & Senior Lecturers are non-tenure track teaching faculty members who are hired on multi-year appointments with the expectation of renewal and promotion.

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

A typical full-time (100% effort) load for a Lecturer & Senior Lecturer in Computer Science is two courses per semester, where teaching and managing the course

staff of large required undergraduate level courses counts as two courses. The department offers a collaborative and stimulating culture and a competitive salary and benefits package. Lecturers & Senior Lecturers play a full and active part in departmental life and work with other faculty members and our excellent students in a broad range of ways, such as teaching upper-level courses, curriculum design and innovation, advising undergraduate and M.Eng. student projects, mentoring Ph.D. students interested in teaching careers, and participating in wider faculty governance and decision-making.

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. See <https://diversity.cis.cornell.edu/> for some Bowers CIS activities in this area. In line with Cornell's historical commitment to educating " ... *any person ... in any study...*", we seek candidates who will create a climate that is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges.

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

Interested applicants should submit a cover letter, curriculum vitae, and a teaching statement speaking to experience, skills, distinct strengths, and evidence of past teaching success

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

Application materials should be submitted at: <https://academicjobsonline.org/ajol/jobs/29038>

Evaluation of applicants will begin November 15, 2024, and continue until the positions are filled.

Salary Range: \$49,700-\$164,000
The salary range reflects an aggregate of qualifications and disciplines across Cornell University. Actual salary offers in Bowers CIS will be based on education, experience, discipline, and relevant skills.

For more information about Cornell Computer Science, please visit our website at:

<https://www.cs.cornell.edu>. More information on our current undergraduate programs and course offerings is available at: <http://www.cs.cornell.edu/undergrad>.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian

reservations. Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students, and staff impart an uncommon sense of larger purpose, and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.

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:

- Cybersecurity
- Systems
- HCI
- AI (including AI applications to healthcare and biomedical engineering)

We also encourage applications from candidates in other core areas of Computer Science.

The School of Computing includes over 70 full-time faculty and more than 3,600 undergraduate and graduate students. We offer a PhD program, 12 master's degrees, and 10 bachelor's degrees as well as a growing number of multidisciplinary CS+X 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 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:

Review of applications will begin on November 4, 2024 and continue until the positions are filled.

The application must include: a curriculum vitae; a cover letter, 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.

Apply at <https://apply.interfolio.com/149107>

For more information, contact Vahid Alizadeh (vahid.alizadeh@depaul.edu).

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 70 full-time faculty and more than 3,600 undergraduate and graduate students. We offer a PhD program, 12 master's degrees, and 10 bachelor's degrees as well as a growing number of multidisciplinary CS+X 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 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.

Special Instructions to Applicants:

Review of applications will begin on November 4, 2024 and continue until the position is filled.

The application must include: a curriculum vitae; a cover letter, 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.

Apply at <https://apply.interfolio.com/149096>

For more information, contact Vahid Alizadeh (vahid.alizadeh@depaul.edu).

Florida Atlantic University

Assistant Professor, Electrical Engineering and Computer Science

The Department of Electrical Engineering and Computer Science at Florida Atlantic University (FAU) invites applications for one of multiple tenure-track assistant professor positions in Computer Science with focal research emphases within software engineering, cybersecurity, human-computer interaction, quantum computing, machine learning, and embedded systems—though strong candidates in other research areas will also be given full consideration. Candidates with exceptional research portfolios may also be considered at a higher rank.

The department consists of 50 faculty and five staff members, has a student body of over 1,500 undergraduate and

1,400 graduate students, and offers baccalaureate, masters, and doctoral degrees in Computer Science, Computer Engineering, and Electrical Engineering. The department also offers master's degrees in Artificial Intelligence, Data Science and Analytics, and Information Technology and Management. The department's current active funding portfolio is over \$15.2M, with support from federal funding agencies such as NSF, NIH, DoD, DoE, and DARPA, as well as industry. The department also appoints fellows in university research pillars, which are focal areas part of specific strategic initiatives at FAU. For more information about the department, visit eecs.fau.edu.

The FAU College of Engineering and Computer Science is in the top three fastest progressing engineering colleges in the nation (US News and World Report Rankings 2020-2022). The college offers degrees with a modern twist that bear specializations in areas of national priority such as artificial intelligence, cybersecurity, internet-of-things, transportation and supply chain management, and data science. For more information about the college, please visit eng.fau.edu.

Florida Atlantic University, established in 1961, officially opened its doors in 1964 as the fifth public university in Florida. Today, the university serves more than 30,000 undergraduate and graduate students across six campuses located along the southeast Florida coast. In recent years, the university has doubled its research expenditures and outpaced its peers in student achievement rates. FAU is designated as a Hispanic-serving

institution, is ranked as a top public university by U.S. News & World Report, and is identified as a High Research Activity institution by the Carnegie Foundation for the Advancement of Teaching. For more information about FAU, visit www.fau.edu.

The College of Engineering and Computer Science at Florida Atlantic University seeks scholars who are committed to supporting the learning needs of students from diverse backgrounds and to thoughtfully engaging all communities in higher education. Florida Atlantic University embodies a culture of strategic and collaborative community engagement that results in mutual benefit to the institution and the various internal and external communities that it serves.

The full position advertisement can be found at: https://fau.wdl.myworkdayjobs.com/en-US/FAU/details/Assistant-Professor--Electrical-Engineering-and-Computer-Science_REQ18952

Florida State University

Open-Rank Faculty - Thinking Machines Endowed Chair Position

The Department of Computer Science at the Florida State University seeks a top scholar for a Thinking Machines Endowed Chair position to begin in August 2025. The faculty position is 9-month, full-time, and benefits eligible. We are particularly interested in a senior faculty member who has the experience and expertise to lead a cutting-edge research group. The focus areas include Systems Security, Compiler and Programming Languages,

Machine Learning, Artificial Intelligence, Sensor Systems and Networks, Human Computer Interactions, Computer Vision, Computer Graphics and Visualization, High-Performance Distributed and Cloud Systems, Quantum Computing, and Full-Stack Co-Design'ed Systems that support Machine Learning and Artificial Intelligence. Outstanding applicants in other areas will also be considered.

We encourage candidates with outstanding academic credentials commensurate with tenured Associate or Full Professors. Applicants should hold a Doctoral degree from an accredited institution or the highest degree appropriate in the field of Computer Science or closely related field.

The department currently has 29 tenure-track and 7 specialized faculty members and offers degrees at the BS, MS, and PhD levels. Our annual research expenditure has been growing substantially in the past several years and was over four million dollars in the 2024 fiscal year. The department is an NSA/DHS Center of Academic Excellence in Cyber Defense Education (CAE/CDE) and Research (CAE-R). FSU is classified among R1: Doctoral Universities - Very high research and a top 20 national public university. Its primary role is to serve as a center for advanced graduate and professional studies while emphasizing research and providing excellence in undergraduate education. Further information can be found at: <https://www.cs.fsu.edu/recruit>

Please apply online with curriculum vitae, statements of teaching and research

philosophy, and the names and contact information of three references at: <https://jobs.fsu.edu> (select "Search Jobs" and search using job ID 58918). Screening will begin December 1, 2024 and will continue until the position is filled. Questions can be emailed to Prof. Xiuwen Liu, Faculty Search Committee Chair, recruitment@cs.fsu.edu.

FSU is an Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer. FSU's Equal Opportunity Statement can be accessed at: https://hr.fsu.edu/sites/g/files/upcbnu2186/files/PDF/Publications/diversity/EEO_Statement.pdf.

Georgia Institute of Technology

Lecturer / Senior Lecturer

The School of Computing Instruction (SCI) in Georgia Tech's College of Computing invites applications for multiple full-time teaching positions as Lecturer or Senior Lecturer. Primary responsibilities will include, but are not limited to, providing high-quality undergraduate teaching. Opportunities to teach graduate courses are also available. Faculty are expected to engage in service at the School, College, and/or Institute level. We also encourage participation in scholarship and curriculum development. As part of its budget, SCI earmarks funding for these activities and makes it directly available to faculty. SCI also provides faculty with the resources to seek external funding for projects (NSF, corporate gifts, etc).

For this cycle, we are seeking candidates who are interested in one or more of the following areas:

- Artificial Intelligence
- Capstone Design
- Computer Organization/Architecture
- Entrepreneurship
- Intro and/or Advanced Algorithms
- Machine Learning
- Operating Systems
- Software Engineering
- Usability and User Experience

We welcome applications from candidates with expertise in other areas of computer science as well.

Summer teaching opportunities are typically available for additional compensation. Additionally, SCI faculty interested in international travel have regular opportunities to teach at GT's study-abroad campuses (Berlin, Barcelona, Metz, and Oxford) during the summer. As implied earlier, faculty may also support their summers with grants.

To apply, visit this page: https://careers.hprod.onehcm.usg.edu/psp/careers/CAREERS/HRMS/c/HRS_HRAM_FL.HRS.CG_SEARCH_FL.GBL?Page=HRS_APP_JBPST_FL&Action=U&FOCUS=Applicant&SiteId=3000&JobOpeningId=268663&PostingSeq=1

Georgia Tech

*Open Rank - School of Computer Science
Tenured/Tenure-Track Faculty Positions*

About Us Overview

Georgia Tech prides itself on its technological resources, collaborations, high-quality student body, and its commitment to building an outstanding and diverse community of learning, discovery, and creation. We strongly encourage applicants whose values align with our institutional values, as outlined in our Strategic Plan. These values include academic excellence, diversity of thought and experience, inquiry and innovation, collaboration and community, and ethical behavior and stewardship. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.

About Georgia Tech

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with numerous economic and cultural strengths. The Institute serves more than 45,000 students through top-ranked undergraduate, graduate, and executive programs in engineering, computing, science, business, design, and liberal arts. Georgia Tech's faculty attracted more than \$1.4 billion in research awards this past year in fields ranging from biomedical technology to artificial intelligence, energy, sustainability, semiconductors, neuroscience, and national security. Georgia Tech ranks among the nation's top 20 universities for research and

development spending and No. 1 among institutions without a medical school.

Georgia Tech's Mission and Values

Georgia Tech's mission is to develop leaders who advance technology and improve the human condition. The Institute has nine key values that are foundational to everything we do:

- Students are our top priority.
- We strive for excellence.
- We thrive on diversity.
- We celebrate collaboration.
- We champion innovation.
- We safeguard freedom of inquiry and expression.
- We nurture the wellbeing of our community.
- We act ethically.
- We are responsible stewards.

Over the next decade, Georgia Tech will become an example of inclusive innovation, a leading technological research university of unmatched scale, relentlessly committed to serving the public good; breaking new ground in addressing the biggest local, national, and global challenges and opportunities of our time; making technology broadly accessible; and developing exceptional, principled leaders from all backgrounds ready to produce novel ideas and create solutions with real human impact.

About the School of Computer Science at the Georgia Institute of Technology

The School of Computer Science, one of five schools in the top-ten ranked College

of Computing, focuses on research that makes computing and communication smart, fast, reliable, and secure, with research groups in computer architecture, databases, machine learning, networking, programming languages & compilers, software engineering, systems, and theory. Faculty from our school are leaders in a variety of Georgia Tech initiatives, including the Algorithms and Randomness Center (ARC), the Center for Machine Learning (ML@GT), the Center for Research into Novel Computing Hierarchies (CRNCH), and the Institute for Data Engineering and Science (IDEaS).

Location

Atlanta, GA

Job Summary

The School of Computer Science at the Georgia Institute of Technology (Georgia Tech) in Atlanta, Georgia, USA, invites applications for several tenure track faculty positions at all ranks Assistant Professor, Associate Professor, and Professor. We seek candidates in all areas of computer science that complement and enhance our current research strengths and are especially interested this year in candidates whose research focus is in the broad areas of software engineering, data systems (database) and analytics, and theoretical computer science.

Responsibilities

As a tenure-track faculty member, a successful candidate will engage in substantive research individually and/or with collaborators in the same or other disciplines. In addition, a successful candidate will be expected to teach

one graduate or undergraduate course per semester, in Georgia Tech's Atlanta campus, as well as contribute service to the School and Institute.

Required Qualifications

Applicants must have a Ph.D. in Computer Science, or a related field (including Computer Engineering, Electrical Engineering, Information Science, or Computing) by the start of the appointment.

Preferred Qualifications

Applicants must show evidence of outstanding academic research credentials and stellar potential in their field of study, a sincere commitment to teaching, and an interest and ability to promote a welcoming educational/work environment. We seek faculty candidates committed to student success including but not limited to:

The ability to mentor and assist students interested in pursuing graduate education. The ability to engage in high-impact practices that support deep learning for student success.

Required Documents to Attach

A full application should include a cover letter, curriculum vitae, a statement of research interests, a teaching statement that includes a description of teaching interests as well as an advising/mentoring philosophy, and the contact information of at least three references. We ask that applicants clearly indicate their research area(s) and focus on their cover letters. Applications should be submitted via the Georgia Tech Careers website, and reference letter information should

be submitted at Academic Jobs Online, located <https://academicjobsonline.org/ajo/jobs/28540>

Applicants are encouraged to submit their applications as soon as possible. For full consideration, applications should be received by December 1, 2024, but will be considered until all open positions are filled.

Contact Information

Requests for information may be directed to Kelly Rockwell - krockwell@gatech.edu

USG Core Values

The University System of Georgia is comprised of our 26 institutions of higher education and learning as well as the System Office. Our USG Statement of Core Values are Integrity, Excellence, Accountability, and Respect. These values serve as the foundation for all that we do as an organization, and each USG community member is responsible for demonstrating and upholding these standards. More details on the USG Statement of Core Values and Code of Conduct are available in USG Board Policy 8.2.18.1.2 and can be found on-line at https://www.usg.edu/policymanual/section8/C224/#p8.2.18_personnel_conduct.

Additionally, USG supports Freedom of Expression as stated in Board Policy 6.5 Freedom of Expression and Academic Freedom found on-line at <https://www.usg.edu/policymanual/section6/C2653>.

Equal Employment Opportunity

The Georgia Institute of Technology (Georgia Tech) is an Equal Employment

Opportunity Employer. The University is committed to maintaining a fair and respectful environment for all. To that end, and in accordance with federal and state law, Board of Regents policy, and University policy, Georgia Tech provides equal opportunity to all faculty, staff, students, and all other members of the Georgia Tech community, including applicants for admission and/or employment, contractors, volunteers, and participants in institutional programs, activities, or services. Georgia Tech complies with all applicable laws and regulations governing equal opportunity in the workplace and in educational activities.

Georgia Tech prohibits discrimination, including discriminatory harassment, on the basis of race, ethnicity, ancestry, color, religion, sex (including pregnancy), sexual orientation, gender identity, gender expression, national origin, age, disability, genetics, or veteran status in its programs, activities, employment, and admissions. This prohibition applies to faculty, staff, students, and all other members of the Georgia Tech community, including affiliates, invitees, and guests. Further, Georgia Tech prohibits citizenship status, immigration status, and national origin discrimination in hiring, firing, and recruitment, except where such restrictions are required in order to comply with law, regulation, executive order, or Attorney General directive, or where they are required by Federal, State, or local government contract.

More information on these policies can be found here: <https://www.usg.edu/policymanual/section6/c2714> Board of Regents Policy Manual | University System of Georgia (usg.edu).

Background Check

The candidate of choice will be required to pass a pre-employment background screening. <http://policylibrary.gatech.edu/employment/pre-employment-screening>.

The Hong Kong University of Science and Technology (Guangzhou)

Open Rank Faculty Positions in Fintech and Computer Science

Department: Financial Technology Thrust, The Hong Kong University of Science and Technology (Guangzhou)

The Financial Technology Thrust of Society Hub of The Hong Kong University of Science and Technology (Guangzhou) invites applications for tenure-track/tenured positions at all ranks (Assistant Professor / Associate Professor / Professor) in all fields of FinTech. For more information about the Fintech Thrust, please visit <https://hkust-gz.edu.cn/academics/four-hubs/society-hub/financial-technology>.

We seek talents in the cutting-edge research in FinTech. Applicants must have PhD degrees in FinTech or related fields, e.g., computational mathematics, computer science, economics, finance, financial engineering, information systems, machine learning, mathematical finance, operations research, optimization, probability, and statistics.

Areas of interest include but are not limited to:

- Blockchain technologies, smart contracts, and digital currencies
- Robo-advising, quantitative investing, and risk management
- Machine learning, artificial intelligence, and big data analytics in finance
- Technological innovations for financial services
- Regulatory issues and challenges in FinTech
- Digital economy and financial inclusion

Remuneration and Conditions of Service

Salary is highly competitive. Fringe benefits include annual leave, medical and dental benefits.

Application Procedure

Please submit the application via the HKUST/HKUST(GZ) Recruitment System (<https://facrecruit.hkust.edu.hk/>). You should first sign up to create your personal account.

For more information, please visit the recruitment website (<https://gz-faculty-recruitment.hkust.edu.hk/>).

Review of applications will continue until all positions are filled.

For questions regarding the recruitment system or general inquiries, please reach us at facultyhire@ust.hk. For Hub/Thrust specific questions, please address to Society Hub: gzrecruitSOC@ust.hk or Fintech Thrust: ftect@hkust-gz.edu.cn with subject title of "Faculty Application to FTEC".

Illinois Institute of Technology

Multiple Tenure-Track, Tenured and Teaching Faculty

The Department of Computer Science at the College of Computing at Illinois Institute of Technology in Chicago invites applications for multiple tenured/tenure-track and teaching faculty positions. The department is seeking candidates at all ranks and in all areas as part of the university's strategic plan, seeking to ambitiously grow its faculty and its impact during the coming years. The department offers bachelor's, master's, and Ph.D. degrees in Computer

Science, bachelor's and master's in AI and Data Science, and master's in Cybersecurity and Decision Sciences: <https://www.iit.edu/computer-science>.

Illinois Tech is a private Ph.D.-granting research university with world-renowned programs in computing, engineering, architecture, law, and design. It is ranked #1 in Illinois and #23 nationally in the Wall Street Journal's "America's Best Colleges 2024." Founded in 1890, Illinois Tech was built to provide access to higher education for students from all backgrounds and to make a difference in the world through technology-oriented education. This guiding mission

and purpose – where students could prepare for meaningful roles in a changing society and achieve professional and economic advancement – remains just as relevant today.

Review of applications will begin immediately and continue until all available positions are filled. To apply, please visit <https://academicjobsonline.org/ajo/jobs/28845> (tenured/tenure-track) and <https://academicjobsonline.org/ajo/jobs/28894> (teaching).

Illinois Institute of Technology is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer committed to enhancing excellence, equity, inclusion, and diversity within its community. All qualified applicants will receive equal consideration for employment.

Indiana University

Open Rank Professor in Computer Science (Computer Systems and Networks)

The Luddy School of Informatics, Computing, and Engineering at Indiana University (IU) Bloomington invites applications for one full-time tenure track / tenured (open rank) professor position in the area of Computer Systems in the Computer Science (CS) department to begin August 1, 2025. We seek candidates who can teach and lead research in the following areas: operating systems, distributed systems, mobile computing, computer networks, embedded systems, and software engineering. We are particularly interested in candidates working on the intersection of computer systems and other areas such as artificial intelligence, data management, and cybersecurity.

The Computer Science department has over 50 years of history and currently has over 50 faculty members and 1300 students. It strives to be the hotbed of

innovation and a leader in computing research and education. Its faculty have pioneered advances in areas including programming languages, hardware design, algorithms, databases, security and privacy, bioinformatics and biomedical science, quantum computing, and artificial intelligence and machine learning.

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 150 faculty and 3100 students. Departments in Luddy School include Computer Science, Informatics, Information and Library Science, and Intelligent Systems Engineering.

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

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.

Applicants should have a demonstrable potential for (for junior level) or an

established record of (for senior level) excellence in research and teaching and a PhD in Computer Science or a related field expected before August 2025.

Review of applications will begin on December 1, 2024 and continue until the position is filled. Interested candidates should review the application requirements and apply online at:

<https://indiana.peopleadmin.com/postings/26125>

Questions may be sent to Dr. Yuzhen Ye (yze@iu.edu)

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

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment based on individual qualifications. Indiana University prohibits discrimination based on age,

ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

Indiana University - Bloomington

Assistant or Associate Professor in Informatics (Human-Computer Interaction Design)

The Luddy School of Informatics, Computing, and Engineering (<https://luddy.indiana.edu/>) at Indiana University (IU) in Bloomington, Indiana invites applications for a tenure-track assistant professor or a tenure-track/tenured associate professor position in the Department of Informatics to begin on August 1, 2025 in the area of Human-Computer Interaction Design (HCI/d). The assistant or associate professor appointee will serve as a core faculty member of our HCI/design (HCI/d) program (<https://informatics.indiana.edu/programs/ms-hci.html>), one of the most preeminent programs of its kind, with a more than twenty-year history and an international reputation. We are particularly interested in candidates who can teach and mentor students in one or more of the following areas: Accessibility, Social Informatics, Human-Centered AI, Visualization, Design Theory and Philosophy, and Critical Computing.

We seek candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with

experience in teaching or working with diverse student populations.

The HCI/d faculty member's duties will include in person teaching, research, service, and mentorship of students at the undergraduate, M.S., and Ph.D. levels. The applicant is expected participate in teaching one or more core studio courses in the M.S. curriculum, while also contributing to other courses in the broader M.S. and Ph.D. curriculum.

Qualifications: Applicants should have a demonstrable potential for (for junior level) or an established record of (for senior level) excellence in research and teaching and a PhD in Informatics, Computer Science, HCI, Design, or a related field expected before August 2025.

Questions: Queries about the position or application procedures may be sent to the chair of the search committee: Colin M. Gray (comgray@iu.edu).

Salary and Benefits: 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.

Application Procedures: Review of applications will begin immediately. Applications received by December 15, 2024 will be assured full consideration, but we will continue accepting applications until the position is filled. Interested candidates should review application requirements and apply online at:

<https://indiana.peopleadmin.com/postings/26472>

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.

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

Indiana University - Bloomington

Assistant Professor in Informatics (Artificial Intelligence and Virtual Reality)

The Luddy School of Informatics, Computing, and Engineering at Indiana University - Bloomington (IUB) invites applications for a full-time tenure track assistant professor position in the Department of Informatics to begin August 1, 2025. We seek candidates who can teach and lead research in one or more of the following areas: artificial intelligence, virtual reality, and/or web development.

We encourage applications from scholars who apply interdisciplinary perspectives across these fields to a variety of domains, including cognitive science, neuroscience, psychology, computer vision, engineering, education, healthcare, robotics, and beyond. Reflecting IU's strong tradition of interdisciplinary research, we encourage diverse perspectives and innovative research that may intersect with or extend beyond these areas. The new appointee will build on existing strengths to contribute to positioning IU at the forefront of new research innovations in artificial intelligence, the development of intelligent computing technologies, virtual reality, and the use of machine learning applied to a wide range of phenomena.

We seek candidates who can work effectively in a team environment and who are 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 new appointee will be expected to develop and sustain an active, externally funded research program, to engage undergraduate and graduate students through effective teaching, and to participate in service to the school and the profession. The appointee will be expected to teach courses in web development, virtual reality, or artificial intelligence. Applicants are encouraged to address their experiences in all three areas in the cover letter, research statement, and teaching statement of their application.

Qualifications: Applicants should have a demonstrable potential for excellence in research and teaching and a PhD (expected before August 2025) in computer science, data science, engineering, cognitive science, neuroscience, psychology, or a related field.

Questions: Queries about the position or application procedures may be sent to the chair of the search committee: Justin Wood (woodjn@iu.edu).

Salary and Benefits: 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.

Application Procedures: Review of applications will begin immediately. Applications received by December 15, 2024 will be assured full consideration, but we

will continue accepting applications until the position is filled. Interested candidates should review application requirements and apply online at:

<https://indiana.peopleadmin.com/postings/26126>

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.

Indiana University - Bloomington

Open Rank Professors in Intelligent Systems Engineering Department

The Luddy School of Informatics, Computing and Engineering at Indiana University Bloomington invites applications for multiple tenure-track / tenured open rank professor positions (assistant, associate, or full professor) in the Department of Intelligent Systems Engineering (ISE) to begin on August 1, 2025. ISE is an innovative program that focuses on the intersection of intelligent computing methods and systems engineering.

We are particularly interested in hiring in the academic domain of computer systems engineering including software

control systems, domain specific architectures, energy efficient computing, zero trust, high performance computing, data engineering at scale, real-time predictive analytics and control, AI systems, physical artificial intelligence, cyber-physics systems, and mechatronics.

We seek candidates who can demonstrate an outstanding scholarly record of research as appropriate to rank and exhibited by high-impact peer-reviewed publications, a forward-looking externally funded research agenda, and a commitment to the education of both graduate and undergraduate students.

As IU's flagship research institution, IU Bloomington is committed to being a welcoming and inclusive campus community. We seek candidates who will pursue the highest standards of academic excellence and whose research, teaching, and community engagement efforts contribute to welcoming, respectful, and inclusive learning and working environments for our students, staff, and faculty.

Qualifications: Applicants should have a demonstrable potential for (for junior level) or an established record of (for senior level) excellence in research and teaching and a PhD (or ScD) in Engineering, Computer Science, or a related scientific discipline expected to be awarded prior to August 2025.

Questions: Queries about the position may be sent to isechair@iu.edu

Salary and Benefits: 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.

Application Procedures: Review of applications will begin immediately. Applications received by January 2, 2025 will be assured full consideration, but we will continue accepting applications until the positions are filled. Interested candidates should review application requirements and apply online at:

<https://indiana.peopleadmin.com/postings/26473>

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.

Before a conditional offer of employment with tenure is finalized, candidates will be asked to disclose any pending investigations or previous findings of sexual or professional misconduct. They will also be required to authorize an inquiry by Indiana University Bloomington with all current and former employers along these lines. The relevance of information disclosed or ascertained in the context of this process to a

candidate's eligibility for hire will be evaluated by Indiana University Bloomington on a case-by-case basis. Applicants should be aware, however, that Indiana University Bloomington takes the matters of sexual and professional misconduct very seriously.

INSAIT - Institute for Computer Science, Artificial Intelligence and Technology

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, is seeking 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. In just two years, INSAIT has already attracted outstanding international faculty, postdocs, and Ph.D. students. The institute has also published at most of the major machine learning, computer vision, and robotics conferences, including CVPR, NeurIPS, ICCV, ECCV, ICML, ICLR, IROS, AISTATS, as well as in areas like programming languages, algorithms, and theory. INSAIT is structured similarly to top U.S. and European research institutions and provides exceptional working conditions, in terms of facilities, computational resources, competitive packages, and salaries.

We welcome excellent faculty applicants in all areas of computer science and artificial intelligence, both tenure-track faculty and tenured researchers. Faculty duties include graduate student supervision and teaching graduate-level courses.

Eligibility requirements:

- A Ph.D. in computer science or closely related fields by the start of the position
- Demonstrated ability to pursue a strong and independent research program

Application materials:

- A curriculum vitae (CV)
- A research statement (up to 5 pages)
- A teaching statement (up to 2 pages)
- 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 candidate's responsibility to arrange for reference letters to be sent to contact@insait.ai.

Application deadline: Applications received by January 30th, 2025, 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/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

CS Department Chair

The College of Liberal Arts and Sciences at Iowa State University in Ames, Iowa seeks a tenured full professor and department chair for the Department of Computer Science. Candidates are expected to demonstrate a commitment to continued excellence in discipline-leading education of undergraduate and graduate students, and interdisciplinary and international research programs.

Initial Chair appointment is for five years with formal review during year four. This appointment serves the pleasure of the dean and will be filled as a 9-month appointment with summer salary while serving as Chair. Proposed Start Date: July 1, 2025.

Required Qualifications include Ph.D. or academic equivalent in Computer Science or a closely aligned field and must meet the university, college, and department requirements for appointment as tenured full professor.

Preferred Qualification include having a vision for growth and development of the department, including the department's fitness and role in interacting with other units at the university, demonstrated record of administrative experience in areas such as personnel management and budgeting,

evidence of generating sustained external funding, and a strong record of excellence in research and teaching.

To ensure full consideration, please apply by January 24, 2025. For a full description of this position, and to apply, please visit: https://isu.wd1.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Department-Chair-of-Computer-Science_R15980

Johns Hopkins University

Tenured/Tenure-Track Faculty Positions

The Johns Hopkins University's Department of Computer Science invites applications for tenure-track faculty positions. We anticipate making multiple offers across all ranks within two tracks: 1) Data Science and AI, and 2) All other areas of Computer Science. We offer an early action application option and support spousal/partner placement.

Early Action. Full consideration will be given to candidates who submit applications by December 1, 2024. However, beginning October 1, 2024, the department may take early action to schedule fall semester interviews and will consider fall offers with typical spring deadlines. We encourage candidates to apply early to take advantage of flexible scheduling and potentially receive an early offer before they proceed to spring interviews. All applications submitted by December 1, 2024, will receive full consideration.

Our search supports the *large-scale expansion of the Whiting School of Engineering*, which will add 150 new

tenure-track professors at all ranks, including 30 Bloomberg Distinguished Professorships and 80 positions that will be part of the new *Data Science and Artificial Intelligence Institute*. The department currently has 38 full-time tenure-track faculty members, 7 research and 8 teaching faculty members, 225 Ph.D. students, over 200 MSE/MSSI students, and over 700 undergraduate students.

We offer dual career programs that support spousal/partner placement within the department, university, and the broader Baltimore/Washington area.

Applications must be made online [here](#). While candidates who complete their applications by December 1, 2024 will receive full consideration, the department may consider applications submitted after that date. Furthermore, the department may take early action on applications beginning October 1.

Questions may be directed to fsearch2024@cs.jhu.edu.

Louisiana State University

Assistant or Associate Professor (HCI)

Baton Rouge pulses with vibrant energy, blending rich cultural heritage with a dynamic, modern spirit. At the heart of this lively city stands Louisiana State University, a flagship institution renowned for its academic excellence and passionate community.

The Division of Computer Science and Engineering within the School of Electrical Engineering and Computer Science at

Louisiana State University - Baton Rouge invites applications for multiple tenure-track Assistant or Associate Professor positions starting January or August 2025.

This hiring priority is in Human-Computer Interaction (HCI) and related areas such as but not limited to: Games, AR/VR, Visualization, Interactive graphics, Usable security, Accessibility, Ubiquitous computing, Computer vision. For full details and to apply, visit: https://lsu.wdl.myworkdayjobs.com/en-US/LSU/job/3325-Patrick-F-Taylor-Hall/Assistant-or-Associate-Professor--HCI-_R00098700

Louisiana State University

Assistant Professor (Software Engineering and Systems)

Baton Rouge pulses with vibrant energy, blending rich cultural heritage with a dynamic, modern spirit. At the heart of this lively city stands Louisiana State University, a flagship institution renowned for its academic excellence and passionate community.

The Division of Computer Science and Engineering within the School of Electrical Engineering and Computer Science at Louisiana State University- Baton Rouge invites applications for multiple tenure-track Assistant or Associate Professor positions starting January or August 2025.

This hiring priority is in Software Engineering (SE) and systems, including but not limited to Release engineering and DevOps, Software verification and validation, Software architecture and

design, Program comprehension and analysis, AI-enabled Software Engineering, Software dependability and security, Automated Software Engineering, Software maintenance and evolution, Human aspects of software engineering, Distributed Systems, Virtualization and Cloud Computing, Networking, Operating Systems, Cyber-Physical Systems, Dependable Systems.

For full details and to apply, visit: https://lsu.wdl.myworkdayjobs.com/en-US/LSU/job/3325-Patrick-F-Taylor-Hall/Assistant-Professor--Software-Engineering---Systems-_R00098695

Middle Tennessee State University

Tenure track Assistant/Associate Professor

The Department of Computer Science, Middle Tennessee State University (<http://www.mtsu.edu/csc/>) invites applications for one assistant/associate professor tenure-track position beginning August 1, 2025. Applications for these positions must be submitted at <https://careers.mtsu.edu/en-us/job/498000/computer-science-tenuretrack-faculty>.

Applicants for this position must hold a doctorate degree in computer science or a closely related field by the appointment date. This position requires a commitment to excellence in both teaching and research. The successful applicant must be willing to teach undergraduate and graduate courses and engage students (including undergraduates) in research.

Applicants are invited from all areas of computer science, but applicants with a background in quantum computing, cyber security, or game design are highly encouraged to apply.

The Department offers a BS with three concentrations: Professional Computer Science (ABET accredited), Business Applications and Cybersecurity Systems, and an MS in Computer Science. The department serves over 600 undergraduate and graduate majors and is closely tied to the Computational and Data Sciences PhD program.

The review will start on November 1, 2024, and continue until the position is filled.

MTSU is a Carnegie Doctoral/R2 institution with over 23,000 students. It is located 35 miles south of Nashville in Murfreesboro, TN. Apply at <https://mtsujobs.mtsu.edu/>. Include a cover letter, curriculum vitae, statement of teaching philosophy, and research statement. If selected for an on-campus interview, letters of recommendation will be solicited automatically, providing a link for a response. Official transcripts (not issued to the applicant) of all degrees are required prior to the interview. Inquiries to Dr. Medha Sarkar (Medha.Sarkar@mtsu.edu), Dept. of Computer Science, MTSU Box 48, 1301 E. Main St., Murfreesboro, TN 37132. Application review begins November 1, 2024, and continues until the position is filled. Call 615-898-5128 for application process questions. EO/AA Employer.

Mississippi State University

Assistant, Associate, or Full Professor

Carnegie Mellon University (CMU) in Qatar invites applications for multiple teaching-track faculty positions in AI, starting in Fall 2025.

The appointments are at the rank of assistant teaching professor, but candidates with substantial teaching experience and significant research impacts may be considered for higher levels.

Candidates must have a Ph.D. in Computer Science or related field, with outstanding academic credentials.

The positions expect strong interest and commitment to teaching, mentoring, and supporting students at the undergraduate level.

They involve teaching fundamental and advanced courses in AI, including Machine Learning, Deep Learning, Natural Language Processing, or Computer Vision.

More information can be found in this link and applications can be submitted through Interfolio at: <http://apply.interfolio.com/155364>

Mississippi State University

Assistant, Associate, or Full Professor

Faculty Position in Computer Science and Engineering

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>) is seeking one new tenure-track faculty

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

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

Candidates for this position are expected to hold a Ph.D. in Computer Science or closely related field (ABDs may be

considered). Rank will be commensurate with experience and qualifications.

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

Candidates must apply at <https://explore.msujobs.msstate.edu/cw/en-us/job/506635> and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications will begin immediately and will continue until the position is filled.

Equal Employment Opportunity Statement: MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, ethnicity, sex, religion, national origin, disability, age, sexual orientation, genetic information, pregnancy, gender identity, status as a U.S. veteran, and/or any other status protected by applicable law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

Missouri University of Science and Technology

Assistant, Associate, Full Professors in Computer Science

Title: Open Rank – Computer Science Tenured/Tenure-Track Faculty Multiple Positions

The Department of Computer Science at the Missouri University of Science and Technology (Missouri S&T) in Rolla, Missouri is seeking applicants for multiple tenured and tenure-track faculty positions, such as Tang Endowed Professor for Cybersecurity, open-rank positions (Tenured Associate or Full Professors) and tenure track assistant professors. Priority will be given to candidates in the Artificial Intelligence, Cybersecurity, and Bioinformatics. Strong candidates in other areas who can contribute to the department's current strength such as: Theory, System, and applications, (e.g., Data Science, Cyber-Human-Physical Systems, High-Performance Computing, Pervasive and Mobile Computing, Software Engineering, and Quantum Computing) will also be considered.

Missouri S&T's Department of Computer Science has a proud 50+ year history of positively impacting society through groundbreaking research and advancing the quality and breadth of its educational mission, granting an ABET-accredited BS, as well as MS and PhD degrees. An active recruitment strategy has resulted in the department now being one of the largest programs on campus, with over 800 undergraduate students and 150 graduate students.

Qualifications

Candidates are required to hold a PhD in Computer Science or a closely related field.

Application Materials

Interested candidates must apply at: <https://hr.mst.edu/careers/> using reference number 53563 for tenure-track positions and reference number 53566 for open-rank tenured positions and electronically submit their application consisting of 1) cover letter, 2) current curriculum vitae, 3) research statement, 4) teaching statement, 5) diversity statement, and 6) contact information for at least three references for tenure-track positions and four references for tenured faculty positions. The acceptable electronic format is PDF.

Application Deadline

The review of applications will begin November 15th, 2024, and continue until the positions are filled. For more information, please contact the Search Committee Chair, Dr. Sanjay Madria at: csfacsearch@mst.edu.

Equal Employment Opportunity

The University of Missouri System is an Equal Opportunity Employer. For more information, visit <https://www.umsystem.edu/ums/hr/eeo> or call Human Resources at 573-341-4241. To request ADA accommodations, please call the Office of Equity & Title IX at 573-341-7734.



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NEC Laboratories America, Inc.

Researcher - Data Science

The Data Science team at **NEC Laboratories America, Inc.**, aims to build novel big data solutions and service platforms that simplify complex systems management, and to develop new information technology that

supports innovative applications, from big data analytics to the Internet of Things. Our research is both experimental and theoretical, covering many domains in data science and artificial intelligence such as time series analysis, graph mining, NLP and document understanding, and so on. The goal of our research is to fully understand the dynamics of big data from complex systems

and build innovative solutions to help end user managing those systems. We have built a number of analytic engines and system solutions to process and analyze big data and support various applications in detection, prediction and optimization. Our research leads to both award-winning NEC products and publications in top conferences.



Data Science Faculty Positions

The Department of Data Science at New Jersey Institute of Technology (NJIT) invites applications for tenure-track faculty positions starting in Fall 2025, with an emphasis in the following areas: 1) Natural Language Processing including LLMs, deep learning methods with text-only or multimodal data; and 2) Applied Machine Learning / Data Science with specific interests in applications to health informatics, medical informatics, or educational data mining. Exceptional candidates in other areas will also be considered. While we are interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will also be considered. Senior candidates will be expected to play a leadership role as the Associate Director of the new NJIT Institute for Data Science, whose Director is Distinguished Professor David Bader.

Applicants must have a Ph.D. degree by Summer 2025 in a relevant discipline, and outstanding academic credentials that demonstrate their ability to conduct independent world-class research and attract external funding. The successful candidate is also expected to show a commitment to both undergraduate and graduate education. International candidates are especially welcome.

NJIT is a Carnegie R1 Research University, with \$166M research expenditures in FY21. The Department of Data Science is a new department launched in Fall 2021, currently has 19 faculty members and plans to grow significantly over the next five years. The department includes faculty at all levels including one Distinguished Professor, has faculty with an NSF CAREER award, active NSF and DOE grants, and an NVIDIA AI Lab. The department faculty develop foundational data science methods and conduct research to solve real-world grand challenges that leverage data science in application areas such as FinTech, Health Informatics, and Cybersecurity and play a key role in the NJIT Institute for Data Science, the Center for Big Data, the Cybersecurity Research Center, and the Center for AI Research. The department has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects; these include the major high-tech companies (Amazon, Facebook, Google, Microsoft) as well as financial / Wall Street companies (Bank of America, JP Morgan Chase) and Pharmaceuticals (Johnson and Johnson, Merck). Data Science participates aside of the Computer Science Department, which enrolls approximately 2,400 students at all levels across nine programs of study, and the Informatics Department, that enrolls 1,000 students at all levels, in the Ying Wu College of Computing (YWCC). YWCC comprises 34% of the NJIT enrollment, educating more than 4,000 students in computing disciplines, and graduating ~1,000 computing professionals every year. As such, it is the largest producer of computing talent in the tri-state (NY, NJ, CT) area.

You must submit additional candidate materials online at <https://apptrkr.com/5853562>; the additional candidate materials include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references. NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement.

Applications received by 15 December 2024 will receive full consideration. However, applications are welcome until the position is filled. Applications will be evaluated as they are received. Contact address for inquiries: ds-faculty-search@njit.edu

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.

To apply, visit <https://apptrkr.com/5853562>

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

Requirements

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

- Artificial intelligence, machine learning, and deep neural networks
- Time series analysis and prediction
- LLM and foundation models
- Graph and information network mining
- Large scale optimization and learning
- Signal processing, image processing and computer vision

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

For more information about NEC Labs, visit our website www.nec-labs.com, and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=6466190.

Equal Opportunity Employer

New York University

*Faculty Positions in Social Psychology,
Department of Psychology
Faculty Positions in Social Psychology
Department of Psychology
New York University Faculty of Arts
and Science*

The Department of Psychology in the Faculty of Arts and Science at New York University invites applications for two open-rank faculty positions in Social Psychology. Applications for positions at the Assistant, Associate, or Full Professor levels are welcome.

<http://apply.interfolio.com/154805>

We seek candidates that will broaden and/or deepen our faculty's expertise and welcome applications from all subareas of Social Psychology— including, but not limited to, attitudes and social cognition, intergroup relations and group processes, interpersonal and close relationships, emotion, motivation, self and identity, social justice, political psychology, and social neuroscience. Successful candidates will have a record of rigorous, innovative, and impactful research, as well as a commitment to teaching and mentoring at the graduate and undergraduate levels. We are especially interested in scholarship that takes novel computational, quantitative, or other methodological approaches and candidates positioned to teach graduate seminars on these topics.

Appointments are expected to begin September 1, 2025, pending budgetary and administrative approval.

For more information about the NYU Department of Psychology, please visit the department website (<https://psych.nyu.edu>). For questions about the searches, please contact Professors Eric Knowles (edk202@nyu.edu) or Emily Balcetis (emilybalcetis@nyu.edu).

Pay Transparency

In compliance with NYC's Pay Transparency Act, the annual base salary range for this position is **\$89,000 to \$129,000 at the rank of Assistant Professor; \$105,000 to \$165,000 at the rank of Associate Professor; and \$135,000 to \$225,000 at the rank of Full Professor.**

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.

Review of applications will begin October 1, 2024. The electronic application should include a curriculum vitae, research statement (no more than three pages), teaching statement, a diversity statement, and three representative publications. Please also include a cover letter that identifies your job market paper—that is, the paper that best represents your program of research. Candidates for Assistant Professor positions should provide three letters of recommendation. Candidates for Associate or Full may provide contact information for potential references in their cover letter.

Research statement: The statement should identify the applicant's main

research activities to date and should summarize the applicant's plans for research activities over the next 5 years (i.e., What questions does the applicant want to tackle? What experimental approach(es) will the applicant use to address these questions?).

Teaching statement: The statement should include a summary of the applicant's pedagogical style, in terms of both classroom instruction and mentoring of graduate and undergraduate students. The applicant should mention the types of courses they would be interested in teaching.

Diversity statement: Diversity and inclusion are important parts of the NYU mission. Statements addressing diversity and inclusion should describe how the applicant's scholarship, teaching and mentoring, and/or service and engagement demonstrate commitment to diversity, equity, and inclusion. We are particularly interested in hearing about (1) concrete steps the applicant has taken (or are planning to take) to foster an inclusive intellectual environment in the research lab, in the classroom, in the department and on campus, and/or in the field more generally, and (2) how these steps connect with broader views on the topics of diversity, equity, and inclusion.

The Faculty of Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber, who embody the diversity of the United States as well as the global society in which we live. Because broad diversity is essential for creating an inclusive climate,

we are committed to the fair treatment of and equal access to opportunity and advancement for all, and will assess the many qualifications of all applicants. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender and sexual identity, or any other legally protected basis. NYU affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach. To learn more about the FAS commitment to diversity, equality and inclusion, please read here: <https://as.nyu.edu/departments/facultydiversity.html>.

Employment Opportunity Statement

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

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

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

Sustainability Statement

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

Norfolk State University

Assistant Professor of Computer Science

The Department of Computer Science at Norfolk State University (NSU) seeks applicants for the position of Tenure-Track Assistant Professor-Computer Science (CS) to begin in Fall 2025. The Bachelor of Science degree in Computer Science at Norfolk State University is accredited by the Computing Accreditation Commission of ABET, <https://www.abet.org>, under the General Criteria and the Computer Science Program Criteria. The university is recognized by NSA/DHS as a National Center of Academic Excellence in Cyber Defense. Successful candidates will be able to teach a wide variety of undergraduate courses in CS and software engineering (see course list here), and to develop and teach graduate courses in their area(s) of expertise. The Computer Science Department expects faculty to balance excellent teaching with active scholarship. A review of applications will begin November 30, 2024 and continue until the position is filled.

Visit <https://www.nsu.edu/cs> for additional information.

Minimum Qualifications

1. A doctoral degree in Computer Science with an emphasis in software engineering.
2. Industry experience or a demonstrated record of research through publications and/or grants in the software engineering or computer science disciplines.

To Apply

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

Northeastern Illinois University

Assistant Professor, Computer Science

POSITION: Full-time tenure-track faculty at the assistant professor rank in the Department of Computer Science, ideally starting Summer 2025.

SALARY: Based on qualifications and experience.

QUALIFICATIONS: Ph.D. in Computer Science or closely related field. Candidates should have a strong commitment to teaching and ongoing scholarly activity. Applications are sought in all areas of computer science, although special consideration will be given to those with research and teaching interests in the following areas:

Data Science: artificial intelligence, natural language processing (including large language models), machine learning with ethical and societal constraints, data security and privacy, algorithmic fairness

Information Technology: computer architecture, cloud computing, security, networking, infrastructure safety, risk and compliance

Quantum Computing: quantum algorithms and frameworks, quantum communication networks, quantum teleportation, quantum machine learning

Candidates should be able to teach courses in their area(s) of research as well as a wide variety of other courses that we offer.

RESPONSIBILITIES: Northeastern Illinois University is a primarily teaching institution with a teaching workload of three courses per semester (fall/spring). In addition to teaching, the candidate will be responsible for advising Master's students on their projects or theses, keeping an active research agenda, and performing departmental and university-wide service.

UNIVERSITY: Northeastern Illinois University is a fully accredited public university serving around 6,000 full and part-time undergraduate and graduate students in the Chicago metropolitan area. NEIU engages its diverse campus community in a rich environment of teaching, learning, and scholarship. The University offers more than 80 academic programs in the arts, humanities, social sciences, STEM disciplines, education, and business. Northeastern is recognized as one of the most diverse universities in the United States and is federally designated as a Hispanic Serving Institution. NEIU's main campus is located on a 67-acre campus in a residential neighborhood

on the northwest side of Chicago. Other campus locations include our El Centro campus building, the Carruthers Center for Inner City Studies, and the University Center of Lake County.

Currently, we have ten tenured/tenure track faculty. We have one of the largest departments on campus, around 400 undergraduate majors and 100 graduate students. Areas of research in the department include Human Computer Interaction, Data Science, Artificial Intelligence, Machine Learning, Cybersecurity, Internet of Things, Data Privacy, and Complexity Theory.

APPLICATIONS: Interested applicants should send a cover letter, CV, statement of teaching philosophy (with a discussion of the candidate's experience working with diverse student population), research statement, student course evaluations, and three letters of reference (with at least one addressing teaching effectiveness) to:

Computer Science:
computer-science@neiu.edu

Applications will be reviewed on a rolling basis until the position is filled.

Northeastern Illinois University is an Equal Opportunity/Affirmative Action employer and invites applications from Women, Minorities, Veterans and Persons with Disabilities, as well as other qualified individuals.

Northeastern University

Open Rank Tenure-Track Faculty Positions

The Khoury College of Computer Sciences at Northeastern University has multiple faculty positions at all ranks (Assistant Professor, Associate Professor, Full Professor), beginning academic year 2025-26 or 2026-27. The tenure home for this position will reside in the Khoury College of Computer Sciences, with a potential joint appointment in another Northeastern College, to be determined in consultation with the successful candidate. Academic rank at the Associate Professor and Full Professor levels will be commensurate with experience and qualifications reflecting a record of demonstrated teaching and scholarly excellence.

This hiring cycle will focus on Artificial Intelligence (AI). Candidates will be considered across all sub-areas of AI, with an emphasis on Resilient and Trustworthy AI, Foundations of AI, Human-Centered AI, and Use-Inspired AI. We are especially seeking applications from outstanding senior and mid-career faculty candidates with established research records, but exceptional early-career researchers will also be considered.

For more details on hiring priorities and to apply, please visit <https://khoury.northeastern.edu/information-for-overview/prospective-faculty/open-positions/tenure-track/>

We will begin reviewing applications as soon as they are received, starting November 15, 2024, and continuing through the academic year until the search is completed.

Northeastern University is a global university system. In addition to Boston, Khoury College currently offers programs in Arlington (VA), London, Miami, Oakland, Portland (ME), Seattle, Silicon Valley, and Vancouver. Positions will primarily be on the Boston and Oakland campuses but candidates may indicate their interest in other campus locations.

Khoury College has a diverse tenured/tenure-track faculty of 105 and it offers a broad array of research and educational opportunities to students. Since 2012, the college has hired 169 outstanding tenured/tenure-track and full-time-non-tenure-track faculty members and plans to continue this strategic growth in the coming years. Faculty research spans all areas of computing and is interdisciplinary across seven of Northeastern's colleges; 40 of the 105 tenured/tenure-track faculty have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Communication Sciences and Disorders, Physics, Political Science, Psychology, Philosophy and Religion, Business, Mathematics, and Law. Khoury faculty members are integral to Northeastern University's multidisciplinary institutes including the Network Science Institute, the Cybersecurity and Privacy Institute, the Institute for Experiential Robotics, and the Institute of Experiential Artificial Intelligence.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values

and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

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

Northern Illinois University

Tenure-Track Assistant Professors in Cybersecurity

The *Department of Computer Science* at *Northern Illinois University* (NIU) seeks to hire tenure track Assistant Professors with expertise in Cybersecurity to join the new Cybersecurity program in August of 2025. Applicants should have an earned Ph.D. in cybersecurity or a closely related STEM field such as computer science, information technology, computer engineering, or electrical engineering with a focus on cybersecurity and its related topics by August 16, 2025.

The position involves assisting in curricula development, teaching the theory and practice of cybersecurity, including but not limited to, the security of computing systems and networking devices, cryptography, hardware and software security, communication system security, cloud and virtualization security, the usability of security, forensics, event remediation, security policy development and compliance, legal aspects related to

cybersecurity, vulnerability assessment, risk and impact analysis, and Business Continuity/Disaster Recovery.

NIU and the Computer Science Department value 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.

Essential Duties and Responsibilities:

- Teaching undergraduate/graduate courses.
- Providing services to help develop and improve the cybersecurity program.
- Help develop the cyber range lab, virtual training labs, and hands-on classes.
- Develop, plan, coordinate, and evaluate cyber training/education courses, methods, and techniques based on instructional needs.
- Deliver professional cybersecurity and workforce training.
- Create a focused cybersecurity area of scholarly research and students' supervision.
- Help and support the program director's efforts to get the program CAE-CDE designated and to secure external funding to support the program.

Minimum Required Qualifications:

- Candidates must have or expect to complete a Ph.D. or equivalent degree in computer science, computer engineering, or related field by August 16, 2025.
- Candidates must have expertise or evident potential for quality teaching in cybersecurity at the undergraduate and/or graduate levels.

- Candidates must show evidence of, or potential for, publishing in premier peer-reviewed journals, developing an independent line of research, and securing external funding.

Additional Requirements:

- Candidates must have effective interpersonal communication skills and a commitment to working effectively and collegially in a multicultural environment.

Preferred Qualifications:

- A strong track record of cybersecurity experience in industry and/or government is preferred.
- Strong leadership skills and the ability to work collaboratively with colleagues, industry partners, and the broader community.
- Ability to teach a wide range of Cybersecurity and Computer Science topics.

Salary:

- Commensurate with experience and qualifications. NIU offers a robust benefits package.

Application Procedure:

Qualified individuals must submit as part of their application:

- Cover letter (2-page limit).

Should describe the candidate's interest in the position and how their expertise links to the research and teaching mission of the new cybersecurity program.

- Curriculum vitae (no page limit)
- Research statement (3-page limit).

Should articulate current and proposed research topics, settings or application

areas, and potential funding sources. Description of 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 should also be included here.

- Teaching statement (2-page limit).

Should describe the applicant's undergraduate and graduate teaching interests and experiences (both existing and future courses) and convey the candidate's understanding of evidence-based teaching practices. Description of 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 should also be included here.

- List of 3 references

All materials must be submitted at <https://employment.niu.edu/postings/80622> by the priority date of **December 1, 2024**. Although priority review will commence after December 1, **the search committee will be reviewing applications on a rolling basis**, so applications submitted after December 1 are strongly welcomed.

A pre-employment criminal background investigation is required.

Equal Employment Opportunity Statement:

Northern Illinois University (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 based on gender, race, color, national origin, sexual orientation, religion, protected veteran status, disability or any other legally protected status.

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>) invites applications for multiple tenure-track Assistant Professor positions, beginning in Fall 2025.

SCA offers 7 bachelor's programs and 4 master's programs, serving over 1,300 students. The school comprises 36 full-time faculty members, with 26 holding tenured or tenure-track positions.

For cybersecurity and information technology, apply here: <https://jobs.nku.edu/postings/14328>

For computer science and software engineering, apply here: <https://jobs.nku.edu/postings/14329>

For information systems and business analytics, apply here: <https://jobs.nku.edu/postings/14353>

Applications will be accepted until positions are filled.

Northwestern University

Tenure Track Positions

Faculty Openings

Four Tenure Track Positions

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

The Computer Science Department at Northwestern University invites applications to fill **four tenure-track faculty positions** at the **Assistant Professor** level.

Computer Science Core

We are interested in outstanding candidates broadly across computer science. The department is especially interested in growing in the areas of

computer vision and imaging, machine learning, and theoretical computer science. Priority in all areas will be given to applicants with path-breaking research interests that have the potential to transform both Computer Science and other disciplines.

Assistant Professor in CS+X

These positions will be joint between Computer Science (which is within the McCormick School of Engineering) and other schools or departments at Northwestern, for individuals and teams exploring new research boundaries in computation. We are interested in applications from outstanding candidates broadly across computer science. We are especially interested in researchers who can bridge computer science and the Feinberg School of Medicine.

Assistant Professor in Embodied Artificial Intelligence, jointly appointed by the Department of Mechanical Engineering and the Department of Computer Science

We seek candidates who will lead pioneering research in embodied artificial intelligence: intelligent systems with embodiment that perceive, physically interact with, and respond to the physical world. Priority areas include, but are not limited to computational design, robotics, biohybrid machines, physically-embodied artificial intelligence and machine learning, and biologically-inspired perception.

Assistant Professor in Quantum Computing, jointly appointed by the Department of Computer Science

and the Department of Electrical and Computer Engineering

We invite outstanding candidates who are excited by the opportunity to help build the future of **quantum computing** and **quantum information science** in a world-class university to apply for a full-time, tenure-track faculty appointment at the departments of Computer Science and Electrical and Computer Engineering. Specific areas of interest include, but are not limited to, quantum algorithms, quantum computing, quantum information, quantum error correction and mitigation, post-quantum cryptography, quantum systems architecture, quantum software systems, and other design areas related to quantum information science and quantum computing.

Additional information about each position, the expected base pay range for each position and application instructions can be found at <https://www.mccormick.northwestern.edu/computer-science/careers/>.

The base pay range is for a nine-month academic appointment, does not include summer salary, and is subject to negotiation. Research discretionary funding will also be provided. Summer salary, including from sponsored projects, may also be available. Northwestern University has provided a pay range representing its good faith estimate of what the university reasonably expects to pay for the position. The pay offered to the selected candidate will be determined based on factors including (but not limited to) the experience and qualifications of the selected candidate including years

since terminal degree, training, and field or discipline; departmental budget availability; internal equity; and external market pay for comparable jobs.

At Northwestern, we are proud to provide meaningful, competitive, high-quality health care plans, retirement benefits, tuition discounts and more! Visit us at <https://www.northwestern.edu/hr/benefits/index.html> to learn more.

The Northwestern campus sits on the traditional homelands of the people of the Council of Three Fires, the Ojibwe, Potawatomi, and Odawa as well as the Menominee, Miami, and Ho-Chunk nations. We acknowledge and honor the original people of the land upon which Northwestern University stands, and the Native people who remain on this land today.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Click for information on [EEO is the Law](#).

Northwestern University

Assistant Professor of Instruction in Statistics and Data Science

The Department of Statistics and Data Science at Northwestern University invites applications for a full-time teaching-track position at the rank of Assistant Professor of Instruction. A PhD in statistics, computer science, or a related field is required. Candidates

should have a strong record of teaching experience in statistics or data science.

The primary responsibilities of this position include teaching six quarter-long courses per year, advising undergraduate students, and participating in departmental service. The appointment will begin on September 1, 2025. Review of applications will start on November 1, 2024, and continue until the position is filled.

To apply, applicants should submit the following materials through the application link at <https://statistics.northwestern.edu/about/faculty-search.html>: 1) a cover letter; 2) a CV; 3) a teaching statement; 4) a research statement; 5) graduate transcript, and 6) contact information for three references.

Questions regarding the position may be directed to Kisa Kowal at k-kowal@northwestern.edu

Salary

The expected base pay range for this position is \$85,000 - \$95,000

This base pay range is for a nine-month academic appointment, does not include summer salary, and is subject to negotiation.

Northwestern University has provided a pay range representing its good faith estimate of what the university reasonably expects to pay for the position. The pay offered to the selected candidate will be determined based on factors including (but not limited to) the experience and qualifications of the selected candidate including years since terminal degree, training, and

field or discipline; departmental budget availability; internal equity; and external market pay for comparable jobs.

Benefits

At Northwestern, we are proud to provide meaningful, competitive, high-quality health care plans, retirement benefits, tuition discounts and more! Visit us at <https://www.northwestern.edu/hr/benefits/index.html> to learn more.

The Northwestern campus sits on the traditional homelands of the people of the Council of Three Fires, the Ojibwe, Potawatomi, and Odawa as well as the Menominee, Miami and Ho-Chunk nations. We acknowledge and honor the original people of the land upon which Northwestern University stands, and the Native people who remain on this land today.

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NYU Tandon School of Engineering

CSE Faculty Positions

The Department of Computer Science and Engineering (CSE) at the NYU Tandon School of Engineering (NYU Tandon) invites applications for the following positions:

Tenured and Tenure-Track positions in Computer Science and Engineering, Fall 2025

We seek strong candidates working in any area of computer science. Applications invited for multiple tenured and tenure-track positions at all levels. Senior ranks will be considered for qualified candidates. Apply Here: <http://apply.interfolio.com/156275>

Contract Faculty at the Industry Assistant or Associate Professor level, Fall 2025

We invite applications for full time, non-tenured, renewable faculty positions. An Industry Professor's primary roles are teaching, mentoring and educational innovation, and the position may also entail some administrative work and outreach. The normal teaching load is 3 courses per academic semester. Apply Here: <https://apply.interfolio.com/157215>

Visiting Assistant/Associate Professor in Computer Science and Engineering, Fall 2025

The visiting faculty member is expected to contribute to both research and teaching in the department. The teaching load will be a maximum of 3 courses for the year. This is a 1-year visiting faculty position. Apply Here: <http://apply.interfolio.com/157033>

We will review applications as they are received and will continue until we fill the positions. We encourage you to submit as soon as possible.

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

from historically underrepresented groups in STEM and we encourage candidates from such groups to apply. We aspire to create a climate where diversity and inclusion are not only appreciated but considered an asset for creativity and innovation, and we seek faculty who have a real passion for a culturally diverse environment. We will review applications as they are received and will continue until we fill the positions. We encourage you to submit as soon as possible.

Additional Information

In compliance with NYC's Pay Transparency Act, the annual base salary range for these positions are \$125,000-\$195,000 for the Assistant Professor rank ; \$170,000-\$270,000 for the Associate Professor rank; \$100,000-\$160,000 for the Industry Assistant Professor rank; \$120,000-\$180,000 for the Industry Associate Professor rank; \$100,000-\$160,000 for the Visiting Assistant Professor rank; \$120,000-\$180,000 for the Visiting Associate Professor rank. New York University considers factors such as (but not limited to) scope and responsibilities of the position, candidate's work experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

Oakland University

Tenure Track Assistant Professor of Computer Science

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 areas of Data Science, Cybersecurity, and Computer Systems, although outstanding candidates in other related areas will also be considered. The position will begin on August 15, 2025. 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 B.S. degrees in Computer Science, Information Technology, Cybersecurity, Data Science, and Artificial Intelligence; M.S. degrees in Computer Science, Cybersecurity, Software Engineering and Information Technology, and Artificial Intelligence; and a Ph.D. in Computer Science and Informatics. For more information about the department and Oakland University, please visit their 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 9th, 2024 and continue until the positions are filled. Applicants should submit a letter of intent, CV, transcripts (unofficial), a diversity statement, a statement of research, a statement of teaching.

- 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 <https://www.oakland.edu/secs/departments/cse/>.

- Applicants will be asked for the names and email addresses of three references in the application process. References will be contacted to upload the letter of reference directly.

Link: <https://jobs.oakland.edu/postings/32813>

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

Old Dominion University

Tenure Track/Tenured Faculty Positions: Cybersecurity + AI

Tenure Track/Tenured Faculty in Trustworthy Artificial Intelligence (AI)

Old Dominion University (ODU) seeks candidates for three faculty positions as part of a cluster hiring initiative for **Trustworthy Artificial Intelligence (AI)**. We seek faculty whose research will complement ODU's areas of strategic emphasis, including safety, security, privacy, ethical, and societal implications of AI systems. The cluster hire involves interdisciplinary collaboration among the School of Cybersecurity, the Department of Computer Science, and the Department of Sociology & Criminal Justice, and builds on existing interdisciplinary strengths at ODU.

- Associate or Full Professor of Trustworthy AI in the School of Cybersecurity (Tenured). We seek an experienced, accomplished, and visionary candidate to serve as the lead of this cluster.

- This position will build, direct, and run multidisciplinary research in collaboration with other members of the cluster and existing ODU faculty. Apply at: <https://jobs.odu.edu/postings/21963>
- Assistant Professor of Cybersecurity in the Department of Computer Science (Tenure Track). We are especially interested in candidates who are experienced in interdisciplinary research and applying

- AI and machine learning techniques in cybersecurity and AI/ ML security. Apply at: <https://jobs.odu.edu/postings/21964>
- Assistant or Associate Professor in the Department of Sociology & Criminal Justice (Tenure Track/Tenured). Apply at: <https://jobs.odu.edu/postings/21965>
- Applications must be submitted by **December 15, 2024**, for full consideration, and the positions will remain

open until filled. Questions about these positions should be directed to Daniel Takabi, Chair of the Trustworthy Artificial Intelligence (AI) Cluster Hire Initiative.

Cybersecurity at ODU: ODU has been designated by NSA as a National Center of Academic Excellence in Cyber Research (CAE-R), Cyber Operations (CAE-CO), and Cyber Defense (CAE-CD). ODU is among a handful of elite universities that have



**Oregon State
University**

**Assistant/Associate/Full Professor
MULTIPLE FACULTY POSITIONS IN COMPUTER SCIENCE**

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for **full-time, nine-month, tenure-track, and tenured faculty positions** at all levels of seniority, in high-performance computing (HPC), artificial intelligence (AI), and closely related areas that advance the university's strategic objectives.

The School of EECS is home to ...

- World-class faculty:** Among our faculty are 2 National Academy of Engineering members, 23 professional society Fellows, and 30 Young Investigator/CAREER Award recipients.
- Collaborative research centers:** EECS faculty are active in the Collaborative Robotics and Intelligent Systems (CoRIS) Institute. A new Collaborative Innovation Complex, housing leading supercomputing facilities, is also being built following a \$200M investment.
- Transformational degree programs:** We offer MS and PhD degrees in Artificial Intelligence, and an MS track in Software Innovations. Our online programs are highly ranked, including postbac, BS, MEng, and MS degrees in CS.

Applicants should demonstrate a strong commitment and capacity to initiate newly funded research. They should also aim to enhance and integrate with the current research endeavors within the OSU College of Engineering and other related fields. Additionally, a significant emphasis is placed on the applicants' dedication to providing high-quality education at both undergraduate and graduate levels. An essential part of their role includes mentoring students, with a particular focus on fostering equitable achievements among students from diverse backgrounds and underrepresented identity groups. Applicants must hold a Ph.D. in Computer Science, Electrical and Computer Engineering, or a field closely related to these areas at the date of hire.

Oregon State's strong institutional commitment to diversity and multiculturalism provides a welcoming atmosphere with unique professional opportunities for leaders from underrepresented groups. We are an Affirmative Action/Equal Opportunity employer and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who share our vision of an inclusive community. The College of Engineering ranks high nationally in terms of the percentage of women faculty, and the university actively supports dual-career opportunities.

Oregon State is a land grant institution committed to teaching, research, outreach and engagement. Its strategic plan (<https://leadership.oregonstate.edu/strategic-plan>) promotes economic, social, cultural, and environmental progress for the people of Oregon, the nation, and the world. To further this mission, the College of Engineering aims to advance high-impact research; ensure excellent student learning; and develop a community that is inclusive, collaborative, diverse, and centered on student success.

OSU is located in Corvallis, consistently ranked among the best places for work-life balance. It is a bike-friendly town with a riverfront pedestrian area, shopping, and restaurants, and easy driving distance from Portland, the spectacular Pacific coast, and the snow-capped Cascade mountain range.

Apply online at: <https://apptrkr.com/5791573> and include the following:

(1) a letter of interest; (2) curriculum vitae; (3) a two-page statement of research interests; (4) a one-page statement of teaching interests; and (5) names and contact information for at least three references.

For full consideration, apply by January 1, 2025. Screening will continue until all positions are filled or until the posting closing date of June 15, 2025, whichever comes first.

received all three CAE designations. ODU is also home to the Coastal Virginia Center for Cybersecurity Innovation (COVA CCI), an engine for research, innovation, and commercialization of next generation cybersecurity technologies, which is part of the Commonwealth Cyber Initiative and funded by the Commonwealth of Virginia.

Park University

Computer Science Faculty Positions

Park University in the Kansas City Metropolitan Area has two Computer Science openings:

Tenure Track Assistant Professor.

<https://www.park.edu/careers/full-time-faculty-and-staff/?gnk=job&gni=8a78879e91e3138f0192006bc85f5133&gns=Computer+Research+Association>

Non-Tenure Track Assistant Teaching Professor.

<https://www.park.edu/careers/full-time-faculty-and-staff/?gnk=job&gni=8a78879e91e3138f01920083cf765b00&gns=Computer+Research+Association>

Salary and rank are negotiable depending on credentials. For complete job announcement and application procedures, use one of the links above or go to <https://www.park.edu/careers/full-time-faculty-and-staff/>. All areas of Computer Science specialization will be considered, but we are especially interested in applicants with experience or specialization in Cybersecurity or Artificial Intelligence. Wonderful location and great career support. Equal Opportunity Employer.



Security and Privacy Tenure-line Faculty Positions

The College of Information Sciences and Technology (IST) at The Pennsylvania State University invites applications for **two tenure-line faculty positions in Security and Privacy**. The appointments are at the assistant or associate professor rank and begin in July of 2025 at the University Park campus.

We seek scholars with expertise in areas such as, but not limited to: the intersection of artificial intelligence (AI), security, and privacy; organizational and human factors of security and privacy including ethics, policy, and data governance; cybercrime, cyberfraud, and digital forensics; the systems aspect of security and privacy; and other emerging topics such as cryptography and quantum computing.

Candidates will possess a PhD in information science, computer science, cybersecurity, or a related field before their appointment start date at Penn State.

For more information and to apply online, visit: <https://apptrkr.com/5728642>



Climate Informatics/AI Tenure-line Faculty Position

The College of Information Sciences and Technology (IST), Penn State Climate Consortium, and Institute for Energy and the Environment (IEE) at The Pennsylvania State University invite applications for a **tenure-line faculty position in Data Science, Artificial Intelligence (AI) and/or Socio-technical Systems** located in State College, Pennsylvania.

This position provides a unique opportunity to serve as a bridge between the College of IST and Penn State's vibrant climate research community, fostering interdisciplinary collaborations and contributing to impactful research in climate science.

See: <https://apptrkr.com/5814092> for full job ad.



Tenure-Track Position in the Department of Computer Science and Engineering

Tenure-Track Position in Computer Science and Engineering

Applications are invited for a **tenure-track position** at the **Assistant, Associate and/or Full Professor** levels across all areas of **Computer Science and Engineering (CSE)**, at **The Pennsylvania State University, University Park campus**. The department has hired 21 faculty in the last four years (14 in the last two years) and aims to continue its rapid growth across different areas over the coming years. Computer Science and Engineering welcomes diversity among its workforce and works within the Penn State community to address special considerations, as needed. We are looking to fill positions specifically in the following areas:

- **Theoretical Computer Science:** All areas will be considered, algorithms, theoretical machine learning, cryptography, quantum computing, and computational biology.
- **Computer Security:** All areas of computer security will be considered, including software security, systems and hardware security, network security, and applied cryptography. We offer a top-ranked security research environment (as per csrankings.org) across these disciplines.
- **Data Science:** All areas of machine learning, AI, and data science will be considered, including theory, NLP, computer vision, robotics, optimization, fairness, and applications to scientific data.

In addition to submitting the Penn State application, an application must be submitted at <https://academicjobsonline.org/ajo/jobs/29180>. Candidates must apply to both sites to be considered. Please note that the Department of Computer Science and Engineering jobs are posted under Multiple Tenure Track Positions in the Department of Computer Science and Engineering, Penn State University.

Applicants must hold a Ph.D. in Computer Science or closely related field by the start date and should be committed to excellence in both research and teaching. The applicant must have demonstrated ability as an instructor and mentor, and in research as well as evidence of growth in scholarly or professional achievements. Those considered for the Associate and full Professor levels must have established a national/international track record of excellence in scholarship and research. The Associate Professor should possess the same qualifications as the Assistant Professor but must also provide evidence of an established reputation in scholarly or professional achievement. The Professor should possess the same qualifications as the Associate Professor but must also provide evidence of a substantial record of advanced research and/or creative work, and of leadership in their field of specialization.

Job duties at each rank include research and teaching undergraduate and graduate courses.

Our department, and the University as a whole, provides unusually rich collaboration opportunities due to its seven major interdisciplinary institutes (as well as other smaller institutes), a large, diverse range of colleges and departments, numerous venues for inter-departmental colloquia and the like, and excellent internal support for successful grantsmanship. We expect our hires to establish a strong research program, supervise graduate and undergraduate students, and teach relevant undergraduate and graduate courses.

Applicants should submit a detailed curriculum vita listing all publications, research and teaching statements, and the names and email addresses of four references.

Applications will be reviewed starting December 15, 2024, and continue until the positions are filled.

Penn State is a premier public research, land grant university. The Department of Computer Science and Engineering is a part of the School of EECS in the College of Engineering. We are looking for candidates who will add to the department's diverse culture and research strengths.

The University is located in State College, which is ranked one of the best college towns in the U.S. The area offers a wide variety of cultural and outdoor recreational activities, and outstanding University events, from collegiate sports to fine arts productions. The public-school system is excellent, with a nationally ranked high school by U.S. News and World Report.

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

Apply Online at: <https://apptrkr.com/5817418>

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to: <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

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



PennState

Human Centered AI Tenure-line Faculty Position

The College of Information Sciences and Technology (IST) at The Pennsylvania State University invites applications for one tenure-line faculty position focused on Human Centered Artificial Intelligence (HCAI) located in State College, Pennsylvania. The appointment will be at the assistant or associate professor rank and begin in July 2025 at the University Park campus.

We are looking for outstanding candidates who can significantly enhance objectives and approaches to HCAI. We seek scholars with demonstrated expertise in specific applications of artificial intelligence (AI) that support human goals, needs, and/or values. Candidates with expertise in designing and developing novel techniques such as human-AI collaboration, human-robot interaction, or generative AI to advance knowledge are encouraged to apply.

Please see position requirements and application steps here:
<https://apptrkr.com/5753042>

Purdue University

*Assistant or Associate Professor in
Computer Science (tenure track)*

Purdue University has launched a new major initiative, Purdue Computes (<https://www.purdue.edu/computes/>), consisting of three dimensions (Computing, Physical Artificial Intelligence, and Semiconductors) that will connect faculty and students from across the institution and enable the university to advance to the forefront with unparalleled excellence at scale. As part of this initiative, Computing is on track to add 50 new positions by 2030. Purdue University's Department of Computer Science and Elmore Family School of Electrical and Computer Engineering are hiring tenure track assistant and associate professors in all areas of Computer Science and Computer Engineering in the Colleges of Science and Engineering.

Purdue Computes offers a stimulating academic environment with active research programs in almost all areas of computing. The departments offer undergraduate programs in Computer Science, Computer Engineering, Data Science, Electrical Engineering, and Artificial Intelligence, as well as graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu> and <https://www.ece.purdue.edu>. Opportunities for collaboration exist across the university; faculty have collaborations with every college in the university. Purdue is one of the nation's leading land-grant

universities, with an enrollment of over 50,000 students primarily focused on STEM subjects.

While we are interested in hiring in all areas, when applying, please indicate which of the two areas below you feel best fits, even if it does not directly match your interests. Be assured that if we feel another area is a better match, we will consider you for whichever area(s) are most appropriate. Purdue's Department of Electrical and Computer Engineering is also hiring broadly in support of Purdue Computes. Opportunities for courtesy or joint appointments across both departments will be considered.

Foundations and Applications of AI, including:

- Foundations of AI, ML, and Deep Learning
- Computer Vision and Computer Graphics
- Ethical and Fair AI
- Human-Computer Interaction
- Natural Language Processing and Large Language Models
- Quantum Computing, Information, Algorithmic Paradigms, and Communication
- Scientific Machine Learning
- All other areas of AI and ML including Robotics and new applications in other domains

Systems (Software and Hardware), including:

- OS, networking, mobile computing, databases, distributed systems, and scalable infrastructures for ML

- PL, compilers, software engineering, automated reasoning, and formal methods
- Computer architecture, cyber-physical systems, embedded & real-time systems
- Quantum computing, high-performance computing, and emerging technologies
- The interplay between AI, systems, and security & privacy

Application Process

Applications need to be submitted to this site <https://careers.purdue.edu/job-invite/34187/> and must include (1) a complete curriculum vitae, (2) a statement of research, (3) a statement of teaching, and (4) names and contact information of at least three references. You are advised to ensure that your Google Scholar profile is up to date, although this is not a requirement. You will be asked to indicate which of the two areas above is the most appropriate to review your application. Applications will be considered beginning December 4, 2024, and will be reviewed until the position is filled. A background check will be required for employment in this position.

Qualifications

Candidates must hold a Ph.D. degree in Computer Science, Computer Engineering, or a related discipline by the employment start date, and demonstrate potential to build an independent research program, as well as the potential to educate and mentor students. A successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels.

Reference Collection

If selected by the committee for a video interview, you will receive an email from system@successfactors.com titled "Follow-up to your application." Please follow the instructions in the email to submit your references.

Purdue's main campus is located in West Lafayette, Indiana, a rapidly growing, welcoming, and diverse community with a wide variety of cultural activities, events, and industries. With the new Purdue Indy campus (<https://www.purdue.edu/campuses/indianapolis/>), there may be a long-term opportunity to be based in Indianapolis.

Purdue has 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 or Associate Professor of Practice in Computer Science

Assistant or Associate Professor of Practice in Computer Science

The Department of Computer Science in the Colleges of Science and Engineering at Purdue University solicits applications for multiple Professor of Practice positions at the Assistant or Associate Professor level. Professors of Practice participate in departmental, college, and university-level activities and have professional development opportunities. The positions are non-tenure track faculty positions.

The department invites applications for three types of positions:

Professor of Practice positions at the Purdue University West Lafayette campus. Responsibilities include traditional instruction (lecture courses, lab courses) of undergraduate courses, management of teaching assistants, development of course content, participation in course and curriculum development, and interaction with students and student teams.

Professor of Practice positions at the Purdue University Indianapolis campus. Responsibilities include traditional instruction (lecture courses, lab courses) of undergraduate courses, management of teaching assistants, development of course content, participation in course and curriculum development, and interaction with students and student teams. This new urban campus extends Purdue's mission and impact with a first-of-its-kind Hard-Tech Corridor, stretching between Indianapolis and our flagship West Lafayette campus.

Professor of Practice position for Purdue Online Programs. The position is with the Department of Computer Science at West Lafayette and fully remote work is possible. Purdue's Online Programs are designed to make a high-quality education as accessible and affordable as possible. This position supports courses and programs in the areas of Data Science, Information Security, Artificial Intelligence and Software Engineering.

For more information about each position and application instructions, see <https://www.cs.purdue.edu/hiring/index.html>

Purdue University

Professor of Engineering Practice

The Elmore Family School of Electrical and Computer Engineering at Purdue University invites applications for a non-tenure track professor of engineering practice (PEP) position at an open rank (assistant, associate, or full). Purdue University seeks to attract exceptional candidates with interests and expertise in semiconductor fabrication and manufacturing. Interests and expertise in heterogeneous integration and advanced packaging technologies are a plus. Successful candidates must hold a Ph.D. degree by the start date of employment in electrical engineering, semiconductor, materials or mechanical engineering, physics, or a related discipline, may have applicable professional experience working with industry, and demonstrate potential to integrate their professional practice with the School of Electrical and Computer Engineering's research, education, and/or engagement/outreach programs, as well as potential to educate and mentor students. The successful candidate will teach undergraduate and graduate level courses, support research activities, and perform service / engagement at the School, College, and University levels. Based on research, teaching, and engagement interests, a joint appointment with another engineering school may be possible.

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 1,400 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), Scalable Asymmetric Lifecycle Engagement (SCALE), and the Center for Innovation in Control, Optimization, and Networks (ICON). ECE faculty lead the Birck Nanotechnology Center and various research areas under two NSF Engineering Research Centers (ERCs). ECE's undergraduate programs in Electrical Engineering and Computer Engineering are ranked 8th and 7th, respectively. Its graduate programs are ranked 7th and 8th, respectively. And its online MS in ECE is ranked 3rd in the nation.

Faculty in ECE collaborate closely with other departments across campus, government and industry facilities across the country, and the talent at Purdue ECE has been a major factor in attracting industry to the local area including many tech-focused companies, and companies such as Saab Global Defense and Security Company, Rolls-Royce, and GE Aviation. SK Hynix recently announced plans to build a \$3.87 billion semiconductor R&D and production facility in West Lafayette.

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 persistent pursuit of pre-eminence. According to the latest US News and World Report's disciplinary graduate program rankings, Purdue Engineering

has 3 disciplines ranked in the top 5 in the country and 10 in the top 10. Purdue Engineering as a whole is ranked 3rd for online graduate engineering programs, 6th for graduate programs. For three years running, Purdue is ranked by the USPTO as No.2 University campus in the US in terms of annual number of US patents issued, and nearly 70% of those patents come from Purdue Engineering. The College Vision for 2030 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/AssistantAssociateFull-Professor-of-Engineering-Practice-of-Electrical-and-Computer-Engineering/33710-en_US/ 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. 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 10/25/2024 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

Tenure-Track Assistant Professors in all areas of Computational Biology, Computational/Statistical Genomics, Structural Proteomics, and Bioinformatics

The College of Science at Purdue University seeks applications for multiple tenure-track Assistant Professor positions in all areas of Computational Biology, Computational/Statistical Genomics, Structural Proteomics, and Bioinformatics. Examples of areas of interest include but are not limited to computational, statistical, or experimental advancements in genomics, proteomics, metabolomics, multi-omics integration, computational neuroscience, computational modeling and analysis of brain function, neural systems and behavior, biological imaging, biomolecular structure modeling and design, bioinformatics or health informatics, and biomedical and biological applications of artificial intelligence (AI). Application areas may include but are not limited to Neuroscience, Cellular and Molecular Biology, Microbiology, Infectious Disease, Drug Discovery, Cancer, Ecology and Evolutionary Biology. Successful candidates may focus on purely computational/statistical research or experimental “wet lab” research, or a combination of both. We welcome applicants whose work bridges these areas to address critical challenges in biology.

The departments participating in this search include Biological Sciences, Computer Science and Statistics. We are especially interested in fostering interdisciplinary collaboration and we anticipate appointments either in a single

department or joint appointments across these departments, with tenure homes as appropriate for each candidate based on their interests.

The search is motivated by two major strategic initiatives recently launched at Purdue University that will connect faculty and students from across the institution and enable the university to advance to the forefront with unparalleled excellence at scale: Purdue Computes (<https://www.purdue.edu/computes/>), consisting of three dimensions (Computing, Physical Artificial Intelligence, and Semiconductors); and Purdue One Health expanding knowledge of animal, human and environmental well-being (<https://www.purdue.edu/onehealth/>).

Purdue Biological Sciences, Computer Science, and Statistics

Purdue is one of the nation’s leading land-grant universities (top 10 most innovative for six years in a row according to US News & World Report), with an enrollment of over 50,000 students primarily focused on STEM subjects. The three departments participating in this search (Biological Sciences, Computer Science, and Statistics) offer a stimulating academic environment with active research programs in almost all areas related to Computational Biology.

For more information, see Purdue Biological Sciences: <https://www.bio.purdue.edu/>; Purdue Computer Science: <https://www.cs.purdue.edu>, Purdue Statistics: <https://www.stat.purdue.edu/>.

Opportunities for collaboration exist across all colleges in the university.

The Life Sciences Institutes and the Institute for Physical AI provide additional opportunities and resources for collaboration across the entire Purdue campus (Purdue Discovery Park: <https://discoveryparkdistrict.com/>, Purdue Institute for Physical AI: <https://www.purdue.edu/computes/institute-for-physical-artificial-intelligence/>).

Purdue’s main campus is located in West Lafayette, Indiana, a rapidly growing, welcoming, and diverse community with a wide variety of cultural activities, events, and industries. With the new Purdue Indy campus (<https://www.purdue.edu/campuses/indianapolis/>), there may also be an opportunity to be based in Indianapolis. Purdue also offers a Concierge Program that provides dual career assistance and relocation services

Qualifications

Candidates must hold a Ph.D. degree in a field related to the Life Sciences, Computer Science, Statistics, or any related discipline by the employment start date and demonstrate potential to build an independent research program, as well as the potential to educate and mentor students. A successful candidate will conduct externally funded original research, advise graduate students, teach undergraduate and graduate-level courses, and offer service at the Department, College, and University levels.

Application Process

Applications need to be submitted to https://careers.purdue.edu/job/Assistant-Professor-Computational-Science/34285-en_US/ including (I) a complete curriculum

vitae, (2) a statement of research and a statement of teaching, and (3) names and contact information of at least three references. You are advised to ensure that your Google Scholar profile is up to date, although this is not a requirement.

If selected by the committee, you will be first invited to a video interview, and, if you advance to the next phase of the process, you will be invited to an on-site interview. If selected by the committee for an on-site interview, you will receive an email with instructions on how to submit your references.

Applications will be considered beginning December 2, 2024, and will be reviewed until the positions are filled. A background check will be required for employment in this position. For any questions related to this search please email computational-biology@purdue.edu.

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

Purdue University

Tenure Track Assistant Professor(s), or Associate Professor(s) Without Tenure

Purdue University has launched a new major initiative, Purdue Computes, consisting of three dimensions (Computing, Physical Artificial Intelligence, and Semiconductors) that will connect faculty and students from across the institution and enable the university to advance to the forefront

with unparalleled excellence at scale. As part of this initiative, the Elmore Family School of Electrical and Computer Engineering at Purdue University invites applications for tenure track assistant professor(s), or associate professor(s) without tenure. Purdue University seeks to attract exceptional candidates with interests and expertise in Next Generation Computing Systems, Embedded Systems, IoT, Wearable/ Implantable Systems, any areas of Computer Architecture, or Integrated Circuits and Systems. Strong candidates in related areas of computing will also be considered. Successful candidates must hold a Ph.D. degree in Electrical Engineering, Computer Engineering, Computer Science or a related discipline by the employment start date and demonstrate potential to build an independent research program, as well as potential to educate and mentor students. The successful candidate will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service at the School, College, and University levels. Purdue's Department of Computer Science is also hiring broadly in support of Purdue Computes.

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 1,400 graduate students. ECE is home to the NSF Network for Computational Nanotechnology (NSF

NCN, nanoHUB), the SRC/DARPA Center for Brain Inspired Computing Enabling (C-BRIC), and the Center for Innovation in Control, Optimization, and Networks (ICON). ECE faculty lead the Birck Nanotechnology Center and various research areas under two NSF Engineering Research Centers (ERCs). ECE's undergraduate programs in Electrical Engineering and Computer Engineering are ranked 8th and 7th, respectively. Its graduate programs are ranked 7th and 8th, respectively. And its online MS in ECE is ranked 3rd in the nation.

Faculty in ECE collaborate closely with industry, and the talent at Purdue ECE has been a major factor in attracting industry to the local area including many tech-focused companies, and companies such as Saab Global Defense and Security Company, Rolls-Royce, and GE Aviation. SK Hynix recently announced plans to build a ~\$ 4 billion facility for advanced packaging fabrication and research & development in West Lafayette.

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 persistent pursuit of pre-eminence. According to the latest US News and World Report's disciplinary graduate program rankings, Purdue Engineering has 3 disciplines ranked in the top 5 in the country and 10 in the top 10. Purdue Engineering as a whole is ranked 3rd for online graduate engineering programs, 6th for graduate programs. For three years running, Purdue is ranked by the USPTO as

No.2 University campus in the US in terms of annual number of US patents issued, and nearly 70% of those patents come from Purdue Engineering. The College Vision for 2030 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/AssistantAssociate-Professor-of-Computer-Engineering/33696-en_US/ including (1) cover letter, (2) a complete curriculum vitae, (3) teaching plan, (4) research plan, and (5) names and contact information for at least 4 references. The search committee may contact references to request letters. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coacademicaffairs@purdue.edu. Review of applications will begin on 11/11/2024 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.

Rutgers University

Non-Tenure Track Faculty Position

The Department of Computer Science at Rutgers University invites applications for an instructional, non tenure track position. A PhD degree in Computer

Science or closely related field is required. The teaching faculty position targets Rutgers's instructional needs in the areas of AI, Machine Learning, and Data Science. Rutgers has recently launched a new major in Data Science and is committed to teaching excellence at the undergraduate and graduate levels. We are searching for an Assistant Teaching Professor or Associate Teaching Professor, but will consider excellent applications for all ranks, including Teaching Professor and Distinguished Teaching Professor. Depending on experience, suitable candidates will be invited to teach in our Masters program or to develop and manage applied learning opportunities such as internships. The appointment will start September 1, 2025.

Computer Science is the largest undergraduate major in the School of Arts and Sciences. Rutgers is located in New Jersey, a demographically diverse state. Our student body reflects this diversity. The School of Arts and Sciences and the Computer Science Department are interested in hiring more faculty who look like our students.

The standard teaching load is five courses per year, which can be reduced in recognition of negotiated duties toward the research and service missions of the Department. Responsibilities include teaching computer science undergraduate classes, interviewing and hiring recitation instructors and graders (typically senior undergraduate or masters students), coordinating and supervising recitation sections, creating exams, homework, and programming assignments, possibly

in collaboration with other instructors, coordinating and supervising grading, and curriculum development. Other duties, such as managing applied learning opportunities such as internships, are also possible depending on experience.

Applications received by January 1, 2025, will be given priority. For questions regarding this position please contact: ntt-hiring@cs.rutgers.edu

For more information about CS at Rutgers go to <https://cs.rutgers.edu> and for Data Science see <https://mps.rutgers.edu/data-science>

To apply for the position, go to: <https://jobs.rutgers.edu/postings/239264> and submit your CV and contact information for three references.

Rutgers subscribes to the value of academic diversity and encourages applications from individuals with varied experiences, perspectives, and backgrounds. Women, minorities, and persons with disabilities are encouraged to apply. Rutgers is an affirmative action/equal opportunity employer. Offer is contingent upon successful completion of all pre-employment screenings.

Rutgers University

Tenure-Track / Tenured Positions in Computer Science, Rutgers University at New Brunswick

The Computer Science Department at Rutgers University, New Brunswick NJ, invites applications for multiple tenure-track/tenured positions at the Assistant

Professor and Associate Professor levels. We will consider outstanding candidates at the Professor level as well.

We invite applications from candidates making research contributions in any area of CS, and welcome applicants with interdisciplinary approaches. We are especially interested in Artificial Intelligence, Machine Learning and Data Science, Cyber Security and Systems Security, and other subfields with broad potential for collaborative impact across the department and the university.

Rutgers is committed to investing significant resources to promote interdisciplinary research and education in Data Science and Artificial Intelligence. One possible appointment this year will be part of a larger interdisciplinary cluster hire at Rutgers. The successful candidate will be expected to contribute to cluster initiatives as well as to Rutgers research

and education programs in Data Science, Machine Learning, and AI.

New Jersey is a demographically diverse state. Our student body reflects this diversity. Our department and the School of Arts and Sciences are interested in hiring more faculty who look like our students. We welcome applications from all qualified candidates, including those with non traditional career paths or who have achieved excellence in careers outside academia.

Responsibilities will include research, supervision of Ph.D. students, and teaching undergraduate- and graduate-level courses in Computer Science. Pursuit of external research funding is expected.

Requirements: Successful completion of a Ph.D. in Computer Science or a closely related field is required by the start date.

Timeline: The appointment will start September 1, 2025. Applications received by January 1, 2025, will be given priority.

How to Apply: Applicants should submit their cover letter, CV, a research statement addressing both past and future work, a diversity statement outlining accomplishments and approach for broadening participation in computing, a teaching statement, and contact information for at least three references. For details, including application procedure, please see <https://go.rutgers.edu/CSTTfaculty>

Contact Info: [hiring-committee@cs.rutgers.edu](mailto: hiring-committee@cs.rutgers.edu)

Rutgers Policies: Offer is contingent upon successful completion of all pre-employment screenings. Rutgers is an equal opportunity employer: see <http://uhr.rutgers.edu/non-discrimination-statement>

Southern Illinois University Carbondale

Assistant Professor – Four Positions

School of Computing at SIUC is accepting applications for four Tenure-Track Assistant Professor positions for the 2025-2026 academic year, beginning August 13, 2025. Two vacancies are in Computer Science and two vacancies are in Cyber Security Technology and Information Technology. The application deadline is Dec 1, 2024.

Duties: Teach courses at both the graduate and undergraduate levels; conduct high quality research and direct graduate student research; participate in activities



SAN FRANCISCO BAY UNIVERSITY

Postdoctoral Teaching Fellow in Computer Science

Category: Faculty
Type: Full Time
Min. Experience: Senior Level
Salary: \$85,000 - \$95,000

San Francisco Bay University seeks a dedicated Postdoctoral Teaching Fellow to deliver key content in SFBU's Masters of EE, MS in CS, MS in Data Science, and BS in CS, as well as contribute to our innovative core curriculum. This is a full-time, non-tenure-track opportunity to help transform higher education.

Responsibilities: A 12-month position to teach 7 courses per year. Courses offered every term, and teaching schedules vary between 2-3 courses per term. Classes capped at 20 students/course.

- Teaching Excellence
- Curriculum Development
- Advisement and Mentorship
- Inclusive Education
- Engagement
- Quality Improvement
- Professional Learning
- Service

Required Qualifications:

- Ph.D in EE and CE, CS or related field.
- Teaching experience and commitment to pedagogy.
- Passion for mentoring students in their growth.
- Strong communication and collaboration skills.
- Commitment to DEI in education and practice.

Salary Range: \$85,000-\$95,000/ year, renewable upon performance review.

To apply, please visit: <https://apptrkr.com/5800431>

that support the school's mission of teaching, research, and service.

To read the full job announcements and apply, please see:

CS: Assistant Professor - AI and Cyber Security - 2 Vacancies

<https://www.schooljobs.com/careers/siu/jobs/4675194/assistant-professor-ai-and-cyber-security-2-vacancies>

ITEC: Assistant Professor - Cyber Security Technology - 2 Vacancies

<https://www.schooljobs.com/careers/siu/jobs/4674886/assistant-professor-cyber-security-technology-2-vacancies>

St. Mary's College of Maryland

Open Rank Faculty Position in Computer Science

St. Mary's College of Maryland invites applications for an Open Rank Faculty position in Computer Science, beginning August 2025. We seek candidates who have a belief in a liberal arts tradition; can bring enthusiasm and skills to help us reimagine computer science in the liberal arts as our program begins a new chapter in its history; provide leadership to an emerging interdisciplinary data science program; and are interested in developing an active research program that involves undergraduates. Applications are being accepted online at: apply.interfolio.com/156334. Salary range is \$120k to \$125k, depending on qualifications and experience.



Stony Brook University



Tenure-Track Assistant Professor in AI Department of Computer Science

Stony Brook University's Department of Computer Science invites applications for a tenure-track assistant professor position with an expected starting date of Fall 2025. We are interested in candidates with backgrounds in all areas of artificial intelligence and machine learning. We are particularly interested in hearing from candidates with expertise in computer vision, GenAI approaches for programming, and AI and society. Stony Brook is making significant investments in AI with the creation of the AI Innovation Institute (AI3) and is partnering with NY State and SUNY with initiatives like Empire AI, SUNY STRIVE for AI, and SUNY-IBM AI Research Alliance.

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

The Department of Computer Science currently has 60 full-time faculty members and over 2200 students in its undergraduate, masters and doctoral programs combined. The department is either home to or has significant partnerships with several interdisciplinary centers on campus. They include the AI Innovation Institute (AI3), National Security Institute (NSI), Center for Visual Computing (CVC), Center of Excellence in Wireless and Information Technology (CEWIT) and Institute of Advanced Computational Science (IACS). More information about the department is available from its web site www.cs.stonybrook.edu.

Application Instructions

Applicants need to electronically submit a curriculum vitae, statements of teaching, research and diversity and three letters of recommendation or evaluation. Please apply here with the requested documents. Questions should be directed to recruit@cs.stonybrook.edu.

Apply Here: <https://apptrkr.com/5814088>



Assistant/Associate/Full Professor and Teaching Professor Positions - SUNY Korea

The Computer Science Department of SUNY Korea invites applications for **tenure-track and teaching-track positions**, to start in **Spring 2025 or Fall 2025**.

(A) Tenure-Track Faculty Position: An excellent faculty member is sought at all levels in all areas of computer science. The position will be tenured or tenure-track at SUNY Korea, and will carry an affiliated faculty position with the Computer Science Department at Stony Brook University – State University of New York (SUNY), Stony Brook, NY. Applicants should hold a PhD in Computer Science or closely related field and exhibit a strong commitment to research and teaching.

(B) Teaching-Track Faculty Position: A highly qualified full-time teaching faculty is sought at the junior or senior level. The candidate is expected to teach introductory and advanced CS undergraduate and possibly graduate courses. It is possible for an excellent candidate to be converted into tenure-track at SUNY Korea at a later time. Engaging in research is encouraged but not mandatory. Applicants should hold a PhD or MS in Computer Science or a closely related field and exhibit a strong commitment to teaching.

The SUNY Korea CS department offers BS (ABET accredited), MS, and PhD degree programs and is tightly integrated with the highly ranked CS department at Stony Brook University. The academic degrees awarded at SUNY Korea are identical to those of Stony Brook University, and the language at SUNY Korea is English.

SUNY Korea is located in the new master-planned city of Songdo, Korea, hosting both global organizations and multinational corporations. Incheon international airport is just 25 minutes away and Seoul with its fascinating blend of Asian cultures is less than 1 hour away.

More information about the positions and application instructions can be found at: <https://apptrkr.com/5860622>

Review of applications will start immediately and will continue until the positions are filled. We value diversity and seek candidates who can contribute to a welcoming climate for all students. We strongly encourage applications from women and underrepresented groups.

Texas A&M University

Academic Professional Track Faculty - Galveston

The Department of Computer Science and Engineering, College of Engineering at Texas A&M University invites applications for a full-time Academic Professional Track (non-tenure) faculty position. Depending on qualifications and teaching experience in computer science or computer engineering, applicants will be considered for the titles lecturer, senior lecturer, instructional assistant professor, instructional associate professor, instructional professor, associate professor of practice, and professor of practice, with a 9-month

academic appointment, and the possibility of an additional summer appointment contingent upon need and availability of funds, beginning Fall 2025. The successful applicants will teach primarily at the undergraduate level to support the development of the undergraduate program, advise and mentor undergraduate students, participate in all aspects of the department's activities, and serve the profession. Applicants will be responsible for the organization, delivery, evaluation, and assessment of the computer science and engineering courses and student outcomes associated with these courses at Texas A&M University at Galveston. Strong written and verbal communication skills are

required. Applicants should consult the department's website to review our academic and research programs (<https://engineering.tamu.edu/cse>) and consult the Engineering at Galveston website to review the college programs (<https://www.tamug.edu/>).

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 15 departments in the College of Engineering. Academic Professional Track (APT) positions provide long-term career paths with opportunities for advancement. With an average time in service of eight years for our APT faculty, CSE prides itself on offering an engaging, collegial, and collaborative culture in the areas of teaching, curriculum

development, and service. We are committed to hiring outstanding teachers who can introduce new and innovative teaching pedagogies. The department provides its 1,700 (sophomore to senior level) undergraduate students with the highest quality of education in computer science and computer engineering. This commitment to instruction produces versatile students with a strong education and technical training, allowing them to be competitive in the job market or prepared for advanced studies in graduate school. Texas A&M University at Galveston is an ocean-oriented branch campus of Texas A&M University, which educates over 2,300 undergraduate and graduate students. Ideally located in Galveston, Texas, on the Gulf Coast, surrounded by the industry, environment, and programs essential to fulfilling its special-purpose mission. There are multiple College of Engineering programs on the Galveston campus. Students who choose to study engineering at the Texas A&M Galveston campus are Texas A&M engineering students enrolled in Texas A&M engineering courses taught by Texas A&M engineering faculty.

Qualifications: For appointments at the Associate Professor of Practice or Professor of Practice level, applicants must have, at the minimum, a master's degree appropriate for the field in which the faculty member will teach and significant teaching experience at the college/school level in the field or in a related field or have an extraordinary record of accomplishment in an applied setting. There may be additional

requirements depending on the specific faculty title.

For appointments at the Lecturer, Senior Lecturer, Instructional Assistant Professor, Instructional Associate Professor, or Instructional Professor level, applicants must have a doctoral degree in a closely related engineering or science discipline or a master's level degree appropriate for the field in which the faculty member will teach and significant teaching experience at the college/school level in the field or in a related field, or have an extraordinary record of accomplishment in an applied setting. There may be additional requirements depending on the specific faculty title.

Application Instructions: Applicants should submit a cover letter, curriculum vitae, personal statement to include philosophy and plans for teaching and service, as applicable, and a list of four references (including postal addresses, phone numbers, and email addresses) by applying for this specific position at <http://apply.interfolio.com/155691>. The review process will begin immediately. Priority consideration will be given to applications received by December 1, 2024. Applications received after that date may be considered until positions are filled. It is anticipated the appointments will begin in Fall 2025.

Department Contact: Kathy Waskom
(k-waskom@tamu.edu)

Texas A&M University

Multiple Faculty Positions

The Department of Computer Science and Engineering, College of Engineering at Texas A&M University invites applications for up to three full-time tenure-track/tenured positions with 9-month academic appointments and the possibility of an additional summer appointment contingent upon the need and availability of funds beginning fall of 2025. Depending on qualifications, applicants will be considered for the faculty titles of assistant, associate, and full professor (Tenure-Track/Tenure Review Upon Hire, as appropriate). Areas of interest include but are not limited to Computer Science Education, Cybersecurity, High-Performance Computing, Human-Computer Interaction, Programming Languages, Robotics, and Theory. Strong candidates in multi-disciplinary or emerging areas of computing are also encouraged to apply.

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

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 15 departments in the College of Engineering. Many of the 58 tenured/tenure-track faculty and 30 teaching-focused faculty hold a number of national distinctions, including ACM, IEEE, AAAS, SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department

has a strong and vibrant research program, with half the faculty having received NSF CAREER awards. CSE faculty have strong collaborations with the Center for Remote Health Technologies and Systems, Institute of Data Science, Global Cyber Research Institute, Cybersecurity Center, and Bush Combat Development Complex. Our student population comprises over 1,700 undergraduate students (sophomore to senior level) and nearly 700 graduate students. The department is housed in the recently renovated Peterson Building, with airy modern offices, conference rooms, and lounges equipped with state-of-the-art A/V technology. More information about CSE is available at <http://www.cse.tamu.edu>.

Qualifications

Applicants must have earned a doctorate in computer science, computer engineering, or a closely related field by the date of appointment as faculty.

Application Instructions

Applicants should submit a cover letter, curriculum vitae, personal statement to include philosophy and plans for teaching and service, as applicable, and a list of four references (including postal addresses, phone numbers, and email addresses) by applying for this specific position at <http://apply.interfolio.com/155702>. The review of applications will begin by December 1, 2024. Applications received after that date may be considered until positions are filled. It is anticipated that the appointments will begin in Fall 2025.

Please contact Kathy Waskom at k-waskom@tamu.edu for additional information.

Equal Opportunity/Affirmative Action/
Veterans/Disability Employer.

Texas Tech University

Department of Computer Science Chair

The Department of Computer Science (CS) in the Edward E. Whitacre Jr. College of Engineering at Texas Tech University invites applications for a full-time, 12-month, tenured Professor to begin September 1, 2025. The successful candidate will be an innovative, dynamic, collaborative, and entrepreneurial Chair of the CS Department, providing intellectual and strategic leadership for teaching, research, service, and outreach and engagement endeavors in the CS Department.

Among other duties, the Chair will: manage and mentor departmental personnel; budget and allocate department's resources; increase student recruitment efforts; administer the undergraduate and graduate programs with the assistance of Associate Department Chairs; effectively represent the department to internal and external entities to promote teaching, research, development, and outreach; increase research expenditures; improve the department's reputation and visibility; strengthen alumni relationships and fundraising efforts; and promote the success of the faculty, staff, and students in the department.

Apply Here: <http://www.texastech.edu/careers/>

University of Alabama

Computer Science - Cyber Security Faculty Positions

The Department of Computer Science at the University of Alabama is hiring multiple faculty members to support its rapid growth in research funding and student population. The College of Engineering, the home of Computer Science, has seen research funding more than double in the last five years and is pushing its "Top-30+ by 30" initiative to have the College and all its Departments achieve top-30 impact.

In addition to searching for strong faculty in all areas, the Department of Computer Science is specifically searching for faculty with expertise in all areas of Cyber Security to join an existing cohort of faculty and continue to grow our already strong program, which is highlighted by

- Our ABET-accredited Bachelor of Cyber Security degree
- Our NSF-sponsored Scholarship for Service program
- Our CAE-R designation

The Computer Science Department offers B.S. degrees in Computer Science and Cyber Security and M.S. and PhD degrees in Computer Science. It also participates in the interdisciplinary Bachelor of Data Science degree. The University of Alabama, with over 40,000 students, has been designated with the RI—Very High Research Activity status and is one of the two fastest-growing research institutions in the nation.

For more information, including expected qualifications and application instructions, visit <https://bit.ly/UA-CS-Search>.

University of Alabama

Computer Science - HPC/Quantum Computing Faculty Positions

The Department of Computer Science at the University of Alabama is hiring multiple faculty members to support its rapid growth in research funding and student population. The College of Engineering, the home of Computer Science, has seen research funding more than double in the last five years and is pushing its “Top-30+ by 30” initiative to have the College and all its Departments achieve top-30 impact.

In addition to searching for strong faculty in all areas, the Department of Computer Science is specifically searching for faculty with expertise in High-Performance Computing and Quantum Computing to contribute to our already strong program, which is highlighted by a transformative \$96M project to deploy a High-Performance Computing facility that will support research across the spectrum of university disciplines, with a particular emphasis on artificial intelligence and machine learning applications to problems in science, engineering, medicine, and the humanities.

The Computer Science Department offers B.S. degrees in Computer Science and Cyber Security and M.S. and PhD degrees in Computer Science. It also participates in the interdisciplinary Bachelor of Data Science degree. The University of Alabama, with over 40,000 students, has been designated with the R1–Very High Research Activity status and is one of the two fastest-growing research institutions in the nation.

For more information, including expected qualifications and application instructions, visit <https://bit.ly/UA-CS-Search>.

University of Alabama

Computer Science - Software Engineering Faculty Positions

The Department of Computer Science at the University of Alabama is hiring multiple faculty members to support its rapid growth in research funding and student population. The College of Engineering, the home of Computer Science, has seen research funding more than double in the last five years and is pushing its “Top-30+ by 30” initiative to have the College and all its Departments achieve top-30 impact.

In addition to searching for strong faculty in all areas, the Department of Computer Science is specifically searching for faculty with expertise in Software Engineering to join an existing cohort of faculty and continue to grow our already strong program. Software Engineering faculty collaborate with faculty, centers, and Institutes across campus to conduct basic and applied research. The research of Software Engineering faculty have received support from NSF, NOAA, Sloan Foundation, Department of Justice, and the NSA.

The Computer Science Department offers B.S. degrees in Computer Science and Cyber Security and M.S. and PhD degrees in Computer Science. It also participates in the interdisciplinary Bachelor of Data Science degree. The University of Alabama, with over 40,000 students, has been designated with the R1–Very High Research Activity status

and is one of the two fastest-growing research institutions in the nation.

For more information, including expected qualifications and application instructions, visit <https://bit.ly/UA-CS-Search>.

University of Alabama

Multiple Tenure Track Faculty Positions

The Department of Computer Science at the University of Alabama is hiring multiple faculty members to support its rapid growth in research funding and student population. The College of Engineering, the home of Computer Science, has seen research funding more than double in the last five years and is pushing its “Top-30+ by 30” initiative to have the College and all its Departments achieve top-30 impact.

In addition to searching for strong faculty in all areas, the Department of Computer Science is specifically searching for candidates with expertise in Artificial Intelligence, Augmented and Virtual Reality, Cyber Security, High-Performance Computing, Robotics, Software Engineering, and Quantum Computing to join an existing cohort of faculty and continue to grow our already strong program.

The Computer Science Department offers B.S. degrees in Computer Science and Cyber Security and M.S. and PhD degrees in Computer Science. It also participates in the interdisciplinary Bachelor of Data Science degree. The University of Alabama, with over 40,000 students, has been designated with the R1–Very High

Research Activity status and is one of the two fastest-growing research institutions in the nation.

For more information, including expected qualifications and application instructions, visit <https://bit.ly/UA-CS-Search>.

University of Alabama at Birmingham

Endowed Associate/Full Professor (Tenured)

The Department of Computer Science at the University of Alabama at Birmingham (UAB) is seeking candidates for a tenured faculty position holding the Phyllis and David Brasfield Endowed Faculty Scholarship, starting Fall 2025. Highly qualified candidates at both Associate Professor and Professor rank will be considered. Candidates with expertise in cyber security or data science/machine learning/artificial intelligence are sought.

The CS Department at UAB offers PhD, MS, BS, and BA programs. For additional information about the Department, please visit: <https://www.uab.edu/cas/computerscience/>. UAB is a Carnegie RI research university, Alabama's single largest employer, and an engine of revitalization for Birmingham – the largest city in Alabama.

For the complete job announcement and application procedures, see: <https://uab.peopleadmin.com/postings/22692>

For more information, please contact the search committee chair Dr. Ragib Hasan (ragib@uab.edu).

University of Alabama at Birmingham

Non-Tenure-Earning Assistant Professor or Instructor

The Department of Computer Science at the University of Alabama at Birmingham (UAB) is seeking candidates for a non-tenure-earning assistant professor or instructor position, with promotion opportunities, starting Spring or Fall 2025.

Candidates with teaching expertise in all core computer science topics are sought, with preference given to Computer Architecture, Systems Programming, Operating Systems, Networking, and Data Science/Machine Learning/AI. For additional information about the Department, please visit: <https://www.uab.edu/cas/computerscience/>. UAB is a Carnegie RI research university, Alabama's single largest employer, and an engine of revitalization for Birmingham – Alabama's largest city.

For the complete job announcement and application procedures, see: <https://uab.peopleadmin.com/postings/22690>

For more information, please contact the search committee chair Dr. Ragib Hasan (ragib@uab.edu).

University of Alabama at Birmingham

Tenure-Track Assistant Professor

The Department of Computer Science at the University of Alabama at Birmingham (UAB) is seeking candidates for a tenure-

track Assistant Professor position, with a start date of Fall 2025.

Candidates with expertise in all core CS areas are sought, with preference being given to candidates who could complement and enhance current department strengths in the areas of Cyber Security, Systems, Natural Language Processing, and Data Science/ Machine Learning/Artificial Intelligence, and Networking.

The CS Department at UAB offers PhD, MS, BS, and BA programs. For additional information about the Department, please visit: <https://www.uab.edu/cas/computerscience/>. UAB is a Carnegie RI research university, Alabama's single largest employer, and an engine of revitalization for Birmingham – the largest city in Alabama.

For the complete job announcement and application procedures, see: <https://uab.peopleadmin.com/postings/22691>

For more information, please contact the search committee chair Dr. Ragib Hasan (ragib@uab.edu).

University of Arizona

Assistant or Associate Professor, Computer Science (Multiple Positions)

The Department of Computer Science at the University of Arizona invites applications for multiple tenure-track/tenured faculty positions, including both Assistant and Associate Professor positions, in all areas of Computer Science. One of the positions is

collaborative with the Statistics & Data Science Graduate Interdisciplinary Program (GIDP) and is expected to be in the general area of Artificial Intelligence, Machine Learning, and/or Data Science.

The Department of Computer Science has a long history of research accomplishments, influential software distribution, and substantial external funding. The department currently has 18 tenure-track faculty and 11 teaching faculty. We offer three undergraduate degrees (B.S. and B.A. in Computer Science and B.S. in Artificial Intelligence) and two graduate degrees (MS and PhD in Computer Science). 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 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. 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.

Review of applications will begin November 15, 2024, and continue until the positions are filled.

Outstanding UA benefits include health, dental, and vision insurance plans; life insurance and disability programs; sick leave and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; 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 <https://talent.arizona.edu/>

To apply, complete an online application at the UofA Human Resources website: <https://arizona.csod.com/ux/ats/careersite/4/home/requisition/20889?c=arizona>

University of Arizona

Career-track (teaching) Faculty in Computer Science

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 2024, the Department of Computer Science has 29 faculty members, including 10 Career-Track faculty. The Department has a long history of excellent undergraduate and graduate instruction and research accomplishments 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 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 its 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 the two US cities in the 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 link for the Lecturer track is at

<https://arizona.csod.com/ux/ats/careersite/4/home/requisition/20695?c=arizona>

and the link for the Professor of Practice track is at <https://arizona.csod.com/ux/ats/careersite/4/home/requisition/20698?c=arizona>

Be sure to include, as directed, (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names and contact information of at least three professional references.

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

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

University of Buffalo

Tenure-Track Assistant Professors in all areas of Computational Biology, Computational/Statistical Genomics, Structural Proteomics, and Bioinformatics

Multiple Positions in 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 within our department. The successful candidates 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. We are particularly looking for candidates who can operate and lead effectively in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

Professor of Empire Innovation, Computer Science and Engineering

We invite prominent leaders in the foundational areas of Trustworthy Artificial Intelligence and Robotic Systems, including computer vision (including video analysis and 3D reconstruction), machine learning (including big data analytics and adversarial machine learning), natural language processing (audio-visual multimodal understanding), autonomous systems (such as driverless cars), human-robot collaboration (focusing on attack modeling, privacy preservation, and safety guarantees), knowledge representation and reasoning, and

cognitive science (computational linguistics, philosophy, and computer modeling of neural networks and brains).

Apply Here: <https://www.ubjobs.buffalo.edu/postings/52648>

Cluster Hire in Artificial Intelligence (AI)

Recognizing the transformative potential of Artificial Intelligence (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. The faculty hired in CSE is expected to focus broadly on natural language processing, artificial intelligence, machine learning, and information retrieval.

The cluster will emphasize a new model for multidisciplinary collaboration among faculty within this group and with existing colleagues across SEAS and UB. Applicants should have a strong and demonstrated commitment to collaborative research and education engagement. The successful Associate Professor or Full Professor candidate should have a record of scholarly accomplishments, teaching experience, and a sustained externally funded research program.

Apply Here: <https://www.ubjobs.buffalo.edu/postings/53853>

Berkeley

UNIVERSITY OF CALIFORNIA

Assistant/Associate/Full Professor Digital Security, Safety, and Trust School of Information

The School of Information at the University of California, Berkeley, invites applications for an appointment to the faculty at the Assistant, Associate, or Full Professor rank with an expected start date of July 1, 2025.

For more information about the position, including required qualifications and application materials go to: <https://apptrkr.com/5806641>

Please direct questions to: dean@ischool.berkeley.edu.

Berkeley is committed to addressing the family needs of faculty, including dual career couples and single parents. Additional information is available at <https://ofew.berkeley.edu/welfare/families>.

UC Berkeley is an AA/EEO Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete UC nondiscrimination and affirmative action policy see: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>.

Berkeley is committed to advancing diversity, equity, and inclusion, and values the contributions of candidates in this area. Our excellence can only be fully realized by faculty, students, and staff who share our commitment to these values. Successful candidates for our faculty positions will demonstrate evidence of a commitment to equity and inclusion.

Berkeley

UNIVERSITY OF CALIFORNIA

Assistant/ Associate/ Full Teaching Professor - Electrical Engineering & Computer Sciences and Data Science

The University of California, Berkeley invites applications for approved teaching-track positions in **Electrical Engineering and Computer Sciences** at the Assistant and Associate/Full Teaching Professor levels. Rank will be determined based on qualifications and experience.

There are two positions available, one at the Assistant Teaching Professor rank and one open-rank position (Assistant, Associate or Full). Teaching Professors are full members of the academic senate and are eligible for Security of Employment, equivalent to tenure.

The expected start date for the positions is July 1, 2025.

For more information about the positions, including required qualifications and application materials, please go to: <https://apptrkr.com/5753111>

The deadline to apply is December 9, 2024.

For questions, please contact the Search Committee Chair at eeecs-faculty-recruiting@eeecs.berkeley.edu.

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

University of California, San Diego

Assistant Professor - CSE

The UC San Diego Department of Computer Science and Engineering (CSE) invites applications for multiple tenure-track faculty positions at the Assistant Professor rank. The department is looking

for exceptional candidates in all areas of Computer Science and Engineering.

We are looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and will be required to teach university students. We are particularly seeking faculty passionate

about working with students and training the next generation of researchers. In particular, the responsibilities of tenured faculty are (1) research and scholarly achievement, (2) teaching, (3) professional and university service.

The CSE Department is committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, candidates demonstrating a potential or past contributions to a climate that supports equity, diversity, and inclusion are highly desired.

CSE is home to over 70 faculty and 1,000 graduate students who span a range of research areas in computer science, computer engineering and bioinformatics. In addition, the department works closely with the Center for Networked Systems (CNS), the California Institute for Telecommunications and Information Technology (CalIT2), the Halicioglu Data Science Institute (HDSI), the Design Lab, the Contextual Robotics Institute (CRI), San Diego Supercomputer Center (SDSC), and the Center for Wireless Communications (CWC), which provide unique opportunities and resources. More information can be found at <http://www.cse.ucsd.edu>.

We ask candidates to send their applications by January 1, 2025.

Applications must be submitted through the University of California San Diego's Academic Personnel RECRUIT System

To apply visit: <https://apol-recruit.ucsd.edu/JPF04123>



Assistant/ Associate/ Full Professor - Electrical Engineering & Computer Sciences

The University of California, Berkeley invites applications for two approved tenure-track positions at the Assistant Professor level and one approved open rank position at the Assistant/ Associate/ Full Professor level in Electrical Engineering and Computer Sciences (EECS). Joint appointments with department-affiliated institutes and initiatives, or other UC Berkeley departments, will also be considered. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

For more information and to apply go to: <https://aptrkr.com/5747228>

The deadline to apply is December 2, 2024.

UC Berkeley is an AA/EEO employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

UCLA Open Rank Teaching Professor Position in Computer Science

Description The Computer Science Department at the UCLA Henry Samueli School of Engineering and Applied Science invites applications for a Teaching Professor at all ranks (officially called Lecturer with Potential Security of Employment, Lecturer with Security of Employment, and Senior Lecturer with Security of Employment). This is a permanent position, analogous to tenure-track, with Academic Senate membership and an expectation of participation in governance and management of the university's educational program through committee service, curriculum development, and administration. The teaching load is six courses per year on a quarter system. The department has an incredibly strong and passionate group of undergraduate and graduate students and is in an exciting faculty growth phase, having hired 11 Assistant Professors in the past two years in high-impact areas of research and education. Salary will be commensurate with experience and University of California pay scales.

The ideal candidate would have the following qualifications: A Ph.D. in computer science or a closely related field, or an M.S. in computer science or a closely related field along with significant additional relevant experience.

How to apply: Application packages should be submitted online through <https://aptrkr.com/5845359> and include the following documents: 1) curriculum vitae, 2) teaching portfolio, including a list of courses taught along with enrollment statistics and teaching evaluations, 3) teaching statement, 4) statement of contributions to equity, diversity, and inclusion, 5) an optional statement of research interests, and 6) a cover letter. Review of applications will begin on December 1, 2024 and continue until the position is filled.

Reference Requirements: 3-5 required (contact information only)

The University of California 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 University of California Nondiscrimination & Affirmative Action Policy.

UCLA Multiple Tenure-track Assistant Professor Positions in Computer Science

Description: The Computer Science Department at the UCLA Samueli School of Engineering invites applications for a tenure-track Assistant Professor faculty position in all areas of computer science. Applicants must have a demonstrated record of excellence in, or show exceptional promise for, high-quality research, teaching, and professional development. Our hiring priority is focused on the frontiers of Computer Science research, where a candidate's impact, originality, and promise for developing and maintaining a strong, extramurally supported research program has been demonstrated. We are interested in outstanding candidates who are committed to excellence in teaching and scholarship and to a diverse campus climate. *This position requires a Ph.D. or equivalent in Computer Science or a closely related discipline at date of hire.*

How to Apply: Application packages should be submitted online through: <https://apptrkr.com/5839876>

and include the following documents: 1) curriculum vitae, 2) a cover letter, 3) statement of research interest, 4) statement of teaching interest, 5) reference check authorization form, 6) a statement of contributions to equity, diversity, and inclusion, and 7) 3 reference letters.

We encourage candidates to send in their applications as soon as possible. Applications submitted by December 1, 2024 will receive full consideration; review will continue until the position is filled.

Reference Requirements: 3-5 required (contact information only)

The University of California 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 University of California Nondiscrimination & Affirmative Action Policy.

UC San Diego



Assistant Professor Broad Area in Data Science (HDSI)

UC San Diego invites applications for an Assistant Professor (tenure-track) in the Halıcıoğlu Data Science Institute (HDSI).

We seek outstanding candidates from across ALL areas of Data Sciences to fill multiple open positions.

Areas of particular interest include:

Machine Learning Systems & Efficiency, Data Security, and Computer Vision & Deep Learning. This position involves teaching university students at both the undergraduate and graduate levels.

For additional details or to apply, please see:
<https://apptrkr.com/5746120>



UNIVERSITY OF CALIFORNIA
SANTA CRUZ

Technology and Information Management: Associate or Full Professor of Teaching (initial review Jan 13, 2025)

The **Technology and Information Management (TIM) Program in the Baskin School of Engineering** at the University of California, Santa Cruz (UCSC) invites applications for a position at the rank of associate professor of teaching or professor of teaching. The Technology and Information Management program at UC Santa Cruz provides a rigorous curriculum at the intersection of computer science, software engineering, economics, and technology management.

The selected candidate is expected to teach and carry out administrative and programmatic responsibilities. The requirements for the position are to develop and teach courses within the undergraduate curriculum; lead strategic planning efforts for the program, evaluate the effectiveness of the program and make changes to improve program curriculum, and provide better education and service to students; establish relationships with industry, in order to inform curriculum decisions, contribute to student placement in internships and full-time positions, and solicit industry projects for students; work as a bridge between this program, the Computer Science and Engineering Department, and Economics Department; and serve as the program's representative and advocate in the Senate faculty. The incumbent is expected to contribute to technology innovation in Baskin Engineering and beyond and to develop an education or management research program, supported by external grants, driven by personal intellectual inquiry.

UC Santa Cruz values diversity, equity, and inclusion (DEI) and is committed to hiring faculty who will work to promote these values. The successful candidates must be able to work with students, faculty, and staff from various social and cultural backgrounds, genders, and sexual orientations.

Salary range: An estimate for the academic-year (nine-month basis) salary range is \$145,000 - \$160,000 for Associate Professors of Teaching and \$170,000 - 200,000 for Full Professors of Teaching.

We ask candidates to send their applications by Jan 13, 2025.

Apply link: <https://apptrkr.com/5812827>



Computer Science & Engineering: Assistant or Associate Professor, Generative Artificial Intelligence (initial review Dec. 20, 2024)

Job #JPF01825

Computer Science and Engineering / Baskin Engineering / UC Santa Cruz
View this position online and apply: <https://apptrkr.com/5751024>

POSITION OVERVIEW

Position title: CSE Assistant or Associate Professor, Generative Artificial Intelligence

Salary range: A reasonable estimate for the academic-year (nine-month basis) salary range is \$125,000 - \$140,000 for Assistant Professors and \$145,000 - \$175,000 for Associate Professors. Starting salary is commensurate with qualifications and experience.

Percent time: Full-time, 100%

Anticipated start: July 1, 2025, with the academic year beginning in September 2025. Degree requirements must be met by June 30, 2025 for employment effective July 1, 2025 and beyond.

APPLICATION WINDOW

Open date: October 21, 2024

Next review date: Friday, Dec 20, 2024 at 11:59pm (Pacific Time) Apply by this date to ensure full consideration by the committee.

Final date: Monday, Jun 30, 2025 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

POSITION DESCRIPTION

The Department of Computer Science and Engineering at the University of California, Santa Cruz (UCSC) invites applications for positions at the rank of assistant or associate professor. We seek outstanding applicants with research and teaching expertise in all areas of Generative Artificial Intelligence (GenAI), with an emphasis in Natural Language Processing (NLP). We are especially interested in candidates who have made scientific contributions across both GenAI and NLP including but not limited to language modeling, model explainability, multimodal understanding and synthesis, GenAI for social good, human-robot interaction or related areas. The position is based at our Silicon Valley campus in Santa Clara, California.

The successful candidate is expected to contribute to the M.S. program in NLP located at the Silicon Valley campus; develop a research program; advise graduate students in their research area; obtain external funding; develop and teach courses within the undergraduate and graduate curriculum; perform university, public and professional service; and interact broadly with the large number of researchers in Silicon Valley industrial research and advanced development labs. The job entails traveling from the SVC campus to the main UCSC campus, as such, the selected candidate must be able to travel to multiple work locations and travel within a defined regional or service area.

UC Santa Cruz values diversity, equity, and inclusion (DEI) and is committed to hiring faculty who will work to promote these values. Diversity, equity, and inclusion are at the forefront of our path to excellence in Baskin Engineering. The successful candidates must be able to work with students, faculty, and staff from various social and cultural backgrounds, genders, and sexual orientations.

QUALIFICATIONS

Basic qualifications (required at the time the application is submitted)

Ph.D. (or equivalent foreign degree) in computer science or a relevant field. It is expected that the degree requirements will be completed by June 30, 2025.

For applicants who do not possess the applicable terminal degree when they submit their applications, they must document in their application materials (e.g., c.v., cover letter, etc.) that their projected date for completing their degree will be on or before June 30, 2025.

Apply link: <https://apptrkr.com/5751024>

Help contact: dditmars@ucsc.edu

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). The university sponsors employment-based visas for nonresidents who are offered academic appointments at UC Santa Cruz (see <https://apo.ucsc.edu/policy/capm/102.530.html>).

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact Disability Management Services at roberts@ucsc.edu (831) 459-4602.

University of Chicago

Senior Instructional Professor

The Department of Computer Science at the University of Chicago plans to launch an online modality of its Masters Program in Computer Science (MPCS, <https://masters.cs.uchicago.edu>), and invites applications for a Senior Instructional Professor (SIP) position that would hold a concurrent appointment as the inaugural Academic Director of the online program. The selected candidate will be appointed as Assistant Senior Instructional Professor, Associate Senior Instructional Professor, or (Full) Senior Instructional Professor, with rank determined by qualifications. The appointment will be for a term of up to five years, renewable. This is a career-track position with competitive salary and benefits.

The MPCS is a successful in-person MS program that has been running for over 25 years, offering a comprehensive and professionally-oriented computer science education that combines the foundations of computer science with the applied and in-demand skills necessary for careers in technology. The MPCS seeks to launch an online modality of its program that delivers a unique and high-quality educational experience designed specifically for remote students, with a targeted launch date of Autumn 2026.

The person hired into the SIP / Academic Director role would have an expected start date on or around July 1, 2025, and would join ongoing efforts in 2025/26 to launch the program in Autumn 2026, including designing the curriculum of the

program, advising faculty on the design and implementation of online courses, and working with staff on setting up various administrative processes for the online program. This position provides a unique opportunity to influence the design of a new program from its outset.

Ongoing responsibilities after the launch of the program include hiring, evaluation, supervision, and mentoring of academic appointees of the online program, as well as supporting the online program's curricular development through oversight of content, learning objectives, and ensuring course structure alignment both within the online program and as compared to the in-person program. The position will be expected to teach courses for the in-person and/or online modalities of the MPCS. The typical teaching load will be 1-2 courses per year (with a maximum teaching load of 3 courses per year).

Qualifications

Minimum Qualifications:

- One of the following:
 - » A doctorate in Computer Science or a related field at the time of appointment or;
 - » A master's degree and 4 years of relevant professional experience.
- At least two years' experience teaching in a college or university as an instructor of record
- Experience in management of academic programs, personnel, and/or budgets.

Preferred Qualifications:

- Experience in the management of an online education program.

- Experience in online teaching as an instructor.
- Professional experience in a computing-related industry.

Application Instructions:

Applications must be submitted online through the University of Chicago Jobs website: apply.interfolio.com/157202. Review of applications will begin on November 21, 2024 and continue until the position is filled.

The following materials are required:

- Curriculum vitae
- Cover letter, which must include a description of the applicant's experience in managing academic programs, personnel, and/or budgets.
- Statement of teaching philosophy and curricular development experience
- A list of three references, including name, title, employer/school and email address
- Sample syllabus for a class the applicant has taught before, or would be interested in teaching
- Teaching evaluations from past teaching at the university level

Equal Employment Opportunity Statement

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

We seek a diverse pool of applicants who wish to join an academic community that places the highest value on

rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at <https://provost.uchicago.edu/statements-diversity>.

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

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

University of Florida

AST/ASO/FULL Professor

The Department of Computer & Information Science & Engineering (CISE) in the Herbert Wertheim College of Engineering (HWCOE) at the University of Florida invites applications for multiple full-time, nine-month tenure-track faculty positions at the rank of Assistant, Associate, and Full Professor. The positions have an anticipated start date of August 2025.



Non-Tenure Track Faculty--Cybersecurity

The Department of Computer Science and Engineering at the University of Colorado Denver invites applications for a non-tenure track faculty position at the level of Instructor, Senior Instructor or Assistant Teaching Professor.

Required Qualifications: Master's degree for Instructor or Senior Instructor level or PhD for Assistant Teaching Professor level in Computer Science, Computer Science and Engineering or closely related field with experience or research/study in Cybersecurity.

Salary range per 9-month academic year: Instructor: \$60,000-\$80,000; Senior Instructor: \$60,000-\$80,000; Assistant Teaching Professor: \$70,000-\$90,000. Additional salary for summer months can be sourced from research funds or for additional duties.

For full details and to apply, visit <https://apptrkr.com/5788959>.

The University of Colorado Denver is committed to diversity and equality in education and employment.

We are seeking candidates in all CISE and CISE-related areas.

The faculty members will be expected to teach undergraduate and graduate courses (on campus, in Gainesville, Florida) within the CISE curricula; initiate and sustain externally sponsored research programs; recruit and supervise graduate students; and engage in service activities for the University and the profession. Applicants must possess a PhD in a related field by the start date. Dedication to excellence in research, teaching, and service, and evidence of scholarly achievements are required. The candidate should have a record of or demonstrate the potential for successful proposal writing, PhD student mentoring, scholarship, and classroom teaching.

The University of Florida is ranked as the #7 Best Public US University according to US News & World Report. The Department of Computer & Information Science &

Engineering at the University of Florida (<https://cise.ufl.edu>) has over 50 faculty members, and provides an integrated computer science and engineering education that addresses 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. CISE has a student population of approximately 4,400, with nearly 160 in the Ph.D. program. Based on historical trends and current forecasts, significant and continued growth is expected.

The search committee will begin reviewing applications immediately and will continue to receive applications until the positions are filled. All applications must be submitted through UFCareers at: <https://explore.jobs.ufl.edu/en-us/listing/#533460>. Complete applications

must include the following files in PDF format: (1) cover letter which specifies research area, (2) a curriculum vitae; (3) the names, addresses, phone numbers, and email addresses of no less than three and up to five references.

Additional required documents should be uploaded as one PDF to the “other documents” selection in the application. (4) a research program vision statement detailing short- and long-term goals; (5) a teaching statement describing the applicant’s teaching experience and vision for developing a teaching program at the University of Florida; (6) up to three refereed journal or conference articles (co-)authored by the applicant. To be competitive, candidates for this faculty position should submit a cover letter, research statement, and education vision statement that complement the overall mission of the department.

The selected candidate must 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).

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. Background 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.

Questions about this position may be directed to the Faculty Search Chair, Professor Thomas Shrimpton (teshrim@ufl.edu).

University of Florida

AST/ASO/FULL Instructional Professor

The Herbert Wertheim College of Engineering at the University of Florida invites applications for a non-tenure track, full-time, position at the rank of Lecturer/Senior Lecturer/Master Lecturer (working title of Assistant/Associate/Full Instructional Professor) in the Department of Computer & Information Sciences & Engineering (CISE) at the University of Florida.

The faculty member will teach selected CISE courses (on campus, in Gainesville, Florida), according to the specific needs of the department. The faculty member will also contribute to continuous curriculum improvement, academic program accreditation (e.g., ABET), and developing new educational initiatives. Successful submission and funding of grants focused on engineering education is encouraged. The candidate will have the opportunity to

participate in department, university, and professional service activities. Candidates with experience or willingness to engage in activities that contribute to diversity and inclusion are especially encouraged to apply.

We seek outstanding candidates who have a Ph.D. in Computer Science or in a closely related discipline. Candidates with a master’s degree in a Computer Science or closely related field of engineering and 2 years industrial experience may also be considered. Applicants must have an outstanding record of teaching experience and academic accomplishments, a strong interest in undergraduate and graduate teaching in computing, and a commitment to professional services (e.g., through participation in professional societies).

The successful candidate will be expected to collaborate with faculty in and outside the department and be involved in service to the university and the profession.

The search committee will begin reviewing applications as soon as possible and will continue to receive applications until the positions are filled. All applications must be submitted through UFCareers at: <https://explore.jobs.ufl.edu/en-us/job/533537>. Complete applications must include the following files in PDF format: (1) cover letter, (2) a curriculum vitae; (3) the names, addresses, phone numbers, and email addresses of no less than three and up to five references. **Additional required documents should be uploaded as one PDF to the “other documents” selection in the application.** (4) a statement of teaching philosophy and interests in existing and new courses

at both the graduate and undergraduate levels, (5) a statement describing interest and experience in working with diverse groups and underrepresented populations. To be competitive, candidates for this faculty position should submit a cover letter, research statement, and education vision statement that complement the overall mission of the department.

The selected candidate must 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).

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. Background 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.

Questions about this position may be directed to the Faculty Search Chair, Professor Thomas Shrimpton (teshrim@ufl.edu).

University of Georgia

Executive Director of the Institute for Artificial Intelligence

The University of Georgia invites applications and nominations for Executive Director of the Institute for Artificial Intelligence at the rank of full professor to begin on August 1, 2025. UGA's Institute for Artificial Intelligence is an interdepartmental research and instructional unit jointly supported by the Office of the Senior Vice President for Academic Affairs and Provost and the Franklin College of Arts and Sciences. The University seeks candidates who are innovative and accomplished leaders in

artificial intelligence, machine learning, and multidisciplinary collaborations spanning natural/social sciences, humanities, arts, engineering, education, agriculture, computer science and related areas. Candidates are encouraged to submit application materials by Monday, February 17, 2025. Please see the requirements, responsibilities and full job posting at: <https://www.ugajobsearch.com/postings/404608>. For additional information, please contact ugasearchgroup@uga.edu. EOE

University of Illinois at Chicago

Teaching Track Faculty - Computer Science

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 27 full-time teaching faculty with over 200 years of experience and 16 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,

STRATEGIC HIRING INITIATIVE: NEUROINFORMATICS CLUSTER HIRE

The University of Illinois Urbana-Champaign (UIUC) is announcing a major university-wide Strategic Hiring Initiative to hire three (3) full-time tenure-track and tenured faculty positions at all levels (Assistant Professor, Associate Professor, Full Professor) in the area of Neuroinformatics that lies at the critical intersection of computational neuroscience, computer science, and information science with a primary focus on understanding the function of the brain in disease and health. This major institutional investment across the Grainger College of Engineering seeks to expand and complement existing efforts across campus and serve as catalyst to establish UIUC as a center of excellence in understanding the function of the human brain. Additional information on this cluster hire initiative, along with application instructions, can be found on the website <https://publish.illinois.edu/neuro-cluster/>. Please contact neuroinformatics@illinois.edu with any questions.



curriculum decisions and development, and computer science education at a local and national level.

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,
- Teaching evaluations for any courses taught,
- One-page statement on your teaching philosophy and how it is inclusive to a diverse student population.

For more information, send an email to mtheys@uic.edu. For fullest consideration please apply by December 1, 2024, however applications will continue to be reviewed through February 6,

2025. Applications will be accepted and reviewed until the positions are filled.

The previously determined range for this position was \$70,000 – \$180,000. The pay offered to the selected candidate will be determined based on factors including (but not limited to) the experience and qualifications of the selected candidate including equivalent years in rank, training, and field or discipline; internal equity; and external market pay for comparable jobs.

The University of Illinois offers a very complete benefits portfolio. For a complete list of Employee Benefits, visit <https://www.hr.uillinois.edu/benefits>.

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

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

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or

sexual harassment. For more information, visit <https://jobs.uic.edu/>.

The University of Illinois 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.

University of Kentucky

Assistant or Associate Professor in Biostatistics and Bioinformatics

The Biostatistics and Bioinformatics Shared Resource Facility at Markey Cancer Center of University of Kentucky College of Medicine seeks candidates for one tenure-track Assistant or tenured Associate Professor position with strong background in bioinformatics, such as statistical, machine learning and AI methods for immuno-oncology, single cell, spatial, and multi-omics. This new faculty member is expected to work collaboratively with basic science, clinical, and population-based investigators at the Markey Cancer Center, to pursue independent methodological research, and to participate in education activities. The position requires a Ph.D. degree in biostatistics, computer science, bioinformatics or a related field. See details at <https://ukjobs.uky.edu/postings/517560>.

University of Kentucky

Assistant Professor in Computer Science/Engineering

The Department of Computer Science at the University of Kentucky invites applications for a tenure-eligible, 9-month appointment (Regular Title Series) faculty position to begin August 2025. We seek excellent candidates in all areas, with specific needs in AI/machine learning, software engineering/HCI, theoretical computer science, data science/data mining, wireless networks, computer systems and security. A demonstrated ability to collaborate with diverse teams to address grand societal challenges is highly desirable. Successful candidates must demonstrate a strong commitment to undergraduate and graduate education and be qualified to teach a broad range of courses in Computer Science. All regular title series faculty are expected to have a mix of research, teaching, and service to be negotiated annually with the chair of the department. Tenure-eligible faculty are expected to build a strong research program in their chosen area and to be dedicated teachers, contributing to our instructional offerings at both undergraduate and graduate levels.

The Department, housed within the College of Engineering, has 24 faculty members. We aim to be a diverse community of researchers and educators pursuing pioneering research in computer science as well as interdisciplinary research collaborations at the university and beyond; offering all students the highest quality instructional programs

including Bachelor's, Master's, and PhD degrees in Computer Science, Master's degree in Data Science, and Bachelor's, Master's, and PhD degrees in Computer Engineering; expanding our reach to marginalized and underrepresented students, and serving the professional, local, state and global communities. The degree programs in Computer Engineering are offered in collaboration with the Department of Electrical and Computer Engineering Department; the undergraduate programs in Computer Science and in Computer Engineering are ABET-accredited.

Applications are now being accepted. Review of submissions will begin immediately and continue until the position is filled. Candidates must have earned a PhD in Computer Science or a closely related field at the time employment begins. To apply, a University of Kentucky Academic Profile must be submitted at the following link: <https://ukjobs.uky.edu/postings/554749>

Applicants should submit a cover letter, full curriculum vitae, research statement (upload under Specific Request 1), teaching statement (upload under Specific Request 2), and contact information for a minimum of three references when prompted in the application.

Questions should be directed to HR/Employment by phone at 1-859-257-9555 (press 2) or email (ukjobs@email.uky.edu), or to Diane Mier (diane.mier@uky.edu) in the Computer Science Department. Upon offer of employment, successful applicants must undergo a national background check as required by University of Kentucky Human Resources.

The University of Kentucky is an equal opportunity employer and especially encourages applications from women and members of underrepresented groups.

University of Maryland, Baltimore County

Lecturer or Professor of the Practice

The UMBC Department of Information Systems invites applications for two non-tenure track positions at the Lecturer or Professor of the Practice levels with a start date of Fall semester 2025.

The successful candidate will be actively involved in on campus teaching and advising the department's undergraduate students. This candidate will have experience in one or more areas of teaching that are relevant to our discipline, including technical, programming and/or management courses. The Information Systems (IS) Department is multi-disciplinary, placing a strong emphasis on the theory and application of information systems. At a minimum, candidates must have earned a MS in a relevant area. There is a pathway for promotion at UMBC from Lecturer, to Sr. Lecturer to Principal Lecturer. Candidates with an earned Ph.D. and significant industrial or governmental background are encouraged to apply and may be considered for an appointment as a Professor of the Practice.

All candidates are expected to demonstrate their commitment to diversity in all aspects of the position, to include teaching, mentoring, service, or

community engagement. Our Department strives to obtain an equitable and diverse scholarly environment through building an inclusive climate and culture focused on a common objective of excellence in education, research and student success.

More information about the position and application requirements are available at <http://apply.interfolio.com/156812>.

Salary ranges commensurate with experience.

Lecturer: \$78K to \$98K

Professor of Practice: \$115K to \$129K

Other components of pay are offered when necessary to meet competitive conditions.

The above salary range represents the University's good faith and reasonable estimate of the range of possible compensation at the time of posting. Position includes full University benefits.

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 Computer Science and Cybersecurity

The Department of Computer Science and Electrical Engineering (CSEE) at the University of Maryland, Baltimore County (UMBC) invites applications for two open rank, tenured/tenure-track positions to begin in the fall of 2025: one position

across all areas of Computer Science, and one position in the cybersecurity area. 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 Science, Computer Engineering, Electrical Engineering, 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 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.

Salary ranges commensurate with experience.

- Assistant Professor: Min. \$110,000 - Max. \$130,000.
- Associate Professor: Min. \$135,000 Max. \$155,000.
- Full Professor: Min. \$160,000 - Max. \$180,000.

Other components of pay are offered when necessary to meet competitive conditions.

Benefits. UMBC offers a rich benefits package. Benefits offered align with type of position and may be prorated based on hours per week.

- Paid Leave.
- Tuition Remission.
- Medical, Prescription and Dental Insurance.
- Retirement plans.
- Life and Disability Insurance.
- Professional development opportunities.
- Wellness opportunities & much more.

See benefits summary for detailed information: [9 Month Faculty Benefits Summary](#)

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/156698>

Applicant review will begin in November 2024. For full consideration, please submit application materials by December 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 (including salary and benefits).

University of Maryland, Baltimore County

Multiple Tenure-Track Faculty Positions in the Department of Information Systems

The Department of Information Systems (IS) at UMBC invites applications for two tenure-track faculty positions at the Assistant or Associate level starting August 2025. We welcome applications from candidates engaged in high-quality research including but not limited to areas such as AI, Data Science, Human-Centered Computing, Health Informatics, Software Engineering, and STEM Engineering Education. Applications from candidates whose research interests relate to the fields of Cybersecurity and Human Centered Computing are particularly encouraged. Candidates' research interests should complement and extend our current strengths.

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. Candidates must have earned a Ph.D. in a related field to the role(s) no later than August 2025. More information about research interests of our faculty can be found at <https://informationsystems.umbc.edu/home/research>.

More information about the position and application requirements are available at <http://apply.interfolio.com/156589>.

Candidates' experience will be evaluated commensurate to the rank to which they are applying. For inquiries, please email is_faculty_search_2024@umbc.edu. An informational webinar will also be held on November 14, 2024 at 5 pm Eastern. If you are interested in the webinar, please register at <https://forms.gle/MwKuWvhpuKCxZw8n8>. Review of applications will begin in October 2024 and will continue until the position is filled.

Salary ranges commensurate with experience.

Assistant Professor: Min. \$120,000 - Max. \$130,000

Associate Professor: Min. \$135,000 - Max. \$160,000

Other components of pay are offered when necessary to meet competitive conditions. The above salary range represents the University's good faith and reasonable estimate of the range of possible compensation at the time of posting.

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

University of Massachusetts Amherst

Associate/Full Professor - Computer or Information Science (Associate Dean of DEI)

The Manning College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for an academic-year tenure-track faculty position at the Associate or Full Professor level in any area of computer or information science with a concurrent half-time role as the Associate Dean of Diversity, Equity and Inclusion (AD of DEI). The expectation is that this individual will serve in the Associate Dean role for 3-5 years, renewable with satisfactory performance. While serving as Associate Dean, the individual will have half of the teaching load of a normal tenure-track faculty member: they will teach one course per academic year and one graduate seminar once every four years. A successful candidate will have an established and recognized record of research in computer science or information science, a strong record of professional and institutional service, and will have demonstrated potential for continued research, teaching, and service success. For a full position description or to apply, please visit <https://www.cics.umass.edu/about/employment/faculty-positions>.

UMass Amherst is home to graduate and undergraduate programs that are ranked among the top twenty-five in the nation by U.S. News & World Report and CS Rankings. Following a decade of tremendous growth, CICS currently has 89 core faculty, including 20 ACM Fellows, 11 IEEE Fellows, and 38 NSF CAREER Award

winners. CICS research encompasses all major technical specializations across the profession and serves as the focal point for interdisciplinary computing research at UMass Amherst, with affiliated research centers such as the Center for Intelligent Information Retrieval, the Center for Data Science, the Center for Smart and Connected Society, the Computational Social Science Institute, and the Cybersecurity Institute, and the NIH-funded Massachusetts AI and Technology Center for Connected Care in Aging and Alzheimer's Disease. 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 Amherst

TT and 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.

- Assistant/Associate Professor Data Management
- Assistant/Associate Professor Natural Language Processing

- Associate/Full Professor Computer or Information Sciences (Associate Dean of Diversity, Equity, & Inclusion)
 - Associate/Full Professor Robotics
 - NTT Full-Time & Part-Time Teaching Faculty
- Rank and salary will be highly competitive and commensurate with qualifications and experience. For more information and to submit an application, please visit www.cics.umass.edu/about/employment/faculty-positions.

UMass Amherst is home to graduate and undergraduate programs that are ranked among the top twenty-five in the nation by U.S. News & World Report and CS Rankings. Following a decade of tremendous growth, CICS currently has 89 core faculty, including 20 ACM Fellows, 11 IEEE Fellows, and 38 NSF CAREER Award winners. CICS research encompasses all major technical specializations across the profession and serves as the focal point for interdisciplinary computing research at UMass Amherst, with affiliated research centers such as the Center for Intelligent Information Retrieval, the Center for Data Science, the Center for Smart and Connected Society, the Computational Social Science Institute, and the Cybersecurity Institute, and the NIH-funded Massachusetts AI and Technology Center for Connected Care in Aging and Alzheimer's Disease. 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 Memphis

Assistant Professor Computer Science

The Department of Computer Science at the University of Memphis is seeking candidates for Assistant Professor position(s) beginning Fall 2025. Qualified candidates in all areas of computer science are invited, while candidates with core expertise in robotics AI (including drones and humanoids), digital twins, software engineering, theory/algorithms, 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 closely related discipline) or be in ABD status with an anticipated conferral date before August 17, 2025. 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 RI 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 annual average temperature of 63 degrees. Screening of applications will begin on December 2, 2024, and will continue until the search is concluded. To apply, please visit <https://workforum.memphis.edu/postings/42508>

University of Memphis

Assistant Professor - Data Science

The Data Science Center at the University of Memphis is seeking candidates for a tenure-track Assistant Professor position beginning Fall 2025. Qualified candidates in all areas of data science and related fields 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).

University of Memphis is a top-tier research university with a Carnegie RI 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 December 1, 2024, and new applications will continue to be reviewed until the search is completed.

To apply, please visit <https://workforum.memphis.edu/postings/42396>. 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 Miami

Assistant Professor - CSC

The Department of Computer Science in the College of Arts and Sciences at the University of Miami (<https://www.cs.miami.edu>) invites applications for a tenure-track faculty position at the rank of Assistant Professor. Candidates must possess or expect to receive a Ph.D. in Computer Science or a closely related discipline by the beginning of the appointment, August 15, 2025. Candidates must have research interests in Artificial Intelligence, particularly realizable, explainable, or verifiable AI. Faculty must develop/maintain an internationally recognized research program and teach undergraduate and graduate classes.

Submit applications via the UM Careers website <https://umiami.wdl.myworkdayjobs.com/UMFaculty>

University of Michigan, Dearborn

Assistant Professor in Computer and Information Science, University of Michigan-Dearborn, F25

The CIS Department at the University of Michigan-Dearborn invites applications for a tenure-track Assistant Professor position in the general area of computer systems (including artificial intelligence (AI), machine learning, data science, information science, emerging systems, game design, the Internet of Things (IoT), cloud/edge computing, and quantum computing). The CIS Department offers several B.S. and M.S. degrees, and a Ph.D. degree. The expected starting date is September 1, 2025. Although candidates at the Assistant Professor rank are preferred, exceptional candidates may be considered for the rank of Associate Professor depending upon experience and qualifications.

Applicants should apply for this position through Interfolio at:
<http://apply.interfolio.com/160141>

University of Nebraska - Lincoln

Assistant Professors of Practice

The Jeffrey S. Raikes School of Computer Science and Management and the College of Engineering, School of Computing (SoC) at the University of Nebraska-Lincoln are seeking applications for two non-tenure track teaching faculty positions at the rank of assistant professor of practice to begin fall 2025. These are 9-month, full-

time, non-tenure track, career-oriented positions jointly appointed within the Raikes School and the SoC. The initial appointment for these teaching-focused positions is for a term of up to three years, with the opportunity for future multi-year renewals.

The new faculty members will teach a variety of computer science, software engineering, and data science courses for the Raikes School and the School of Computing. Course assignments may include introductory courses, foundation courses, advanced undergraduate courses, and capstone project supervision. The teaching load will be six classes per year. Supervision of capstone team projects may count towards two of the classes. Half of the classes will be taught in the Raikes School, and the balance will be taught in the School of Computing.

Complete details and application instructions can be found at <https://employment.unl.edu>, requisition F_240153. Review of application materials will begin November 11, 2024 and continue until the positions are filled. After review of applications begins, those with any missing required documents may not be given full consideration.

As an EO/AA employer, the University of Nebraska considers qualified applicants for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See <https://equity.unl.edu/notice-nondiscrimination/>.

University of North Carolina at Chapel Hill

Open Rank Faculty

The School of Data Science and Society (SDSS) at UNC-Chapel Hill is excited to announce the third year of a strategic open-rank tenure-track faculty hiring initiative. This initiative aims to enhance research and innovation in the rapidly evolving fields of imaging, cancer, data science foundations, physical and biological sciences, environmental science, data science policy and law, social sciences, and the societal impact of data science. This initiative seeks to attract exceptional researchers working within or across the following SDSS research pillars:

Data: Techniques for collecting, storing, disseminating, and translating data into actionable insights.

Algorithms and Models: Computational and statistical tools that empower researchers and stakeholders to discover, create, analyze, present, synthesize, and utilize data.

Applications: Innovative and effective uses of data and models to advance interdisciplinary knowledge and address pressing social issues.

Social Impact: Examination of unintended consequences and ethical questions arising from using data to tackle society's most pressing challenges.

SDSS is looking for experts excelling in AI methodologies, machine learning, data science, and computational analysis, with strong domain expertise in areas requiring data science applications. Researchers

focusing on the ethical implications of data science, including data privacy, algorithmic bias, informed consent, and AI model transparency, are also encouraged to apply. UNC-Chapel Hill's interdisciplinary approach to data science research will foster the development of innovative applications across various fields. Through collaboration among faculty, students, and external partners, SDSS aims to bridge the gap between academia, industry, and community groups, translating research discoveries into tangible societal benefits.

Faculty responsibilities include engaging in high-quality interdisciplinary research; publishing research findings in top-tier journals and presenting work at national and international conferences; teaching undergraduate and graduate courses in data science, data analytics, machine learning, statistics and related areas; mentoring and supervising graduate students as well as provide guidance to undergraduate researchers; participate actively in interdisciplinary collaborations within the school, across the University, and beyond; contribute to the growth and development of the school by collaborating with industry partners, professional organizations, and community stakeholders; and engage in service within the University and contribute to the broader academic community.

Consideration of applications will begin on November 1, 2024. The positions will be effective July 1, 2025.

We will continue accepting applications until the position closes on January 31, 2025. Visit <https://unc.peopleadmin>.

[com/postings/289443](https://unc.peopleadmin.com/postings/289443) to apply. All faculty candidates must apply online and submit a cover letter and resume. The "other document" in the list of required documents to be submitted is a teaching statement and a research statement, combined in one document. Please arrange for four reference letter writers to submit letters where indicated. They will receive an email with instructions for submitting letters of recommendation. Please ensure that at least one of the four letters address your teaching experience and qualifications.

For inquiries, please contact sdss-hr@unc.edu.

The University of North Carolina at Chapel Hill is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or status as a protected veteran.

University of North Carolina at Chapel Hill

Teaching Assistant Professor

The School of Data Science and Society (SDSS) at the University of North Carolina at Chapel Hill invites applications for a Teaching Assistant Professor position to support its growing academic programs. We seek candidates with a doctoral degree in data science or a related field and a strong commitment to excellence in pedagogy for data science.

Given the interdisciplinary nature of the school and the broad interpretations of data science, we encourage applications from any substantive area that contributes to the mission, vision and values of SDSS. Candidates should also explain their methodologic expertise as it pertains to the domains of data science. Applicants having prior experience teaching college-level introductory classes on foundations of data science are especially encouraged to apply. In addition to teaching, successful applicants will demonstrate the ability to advise and mentor the school's growing undergraduate population.

This position will be expected to dedicate 80% of time to teaching data science courses and 20% of the effort in service to the School. This position will be encouraged to participate in prioritized research activities on pedagogical techniques and technologies, data science academic trends and topics, and contribute to the school's efforts to expand its data science offerings at the undergraduate level.

This position will be a 9-month appointment with the opportunity to teach in summer based on needs in the undergraduate program. The instructional load for this position will be 3 courses per semester for 6 courses taught each academic year. This is a permanent fixed-term position. The position will have an initial appointment of 3 years with the possibility of reappointment and a pathway for advancement in rank. The courses taught by the candidate

Professional Opportunities

may include a mix of introductory and advanced ones with a priority to cover the introductory level courses. Advanced courses will be selected from a range of thematic areas that match the faculty's expertise. Teaching assistants will provide support to large-format courses through homework grading and tutorial sessions. Sample courses include DATA110 Introduction to Data Science, DATA120 Ethics of Data Science and Artificial Intelligence, DATA130 Data Literacy Foundations, DATA 140. Introduction to Data Structures and Management, and DATA150 Communication for Data Scientists. More information about the BS in Data Science curriculum can be found at <https://datascience.unc.edu/undergraduate-degrees/course-of-study/>. Interest in the aforementioned data science courses is rapidly growing with engagement of students in a variety of disciplines including data science, business, economics, among others.

All faculty candidates must apply online and submit a cover letter and resume. The "other document" in the list of required documents to be submitted is a teaching statement and a research statement, combined in one document. Please enter contact information for at least three reference letter writers where indicated and they will receive an email with instructions for submitting letters of recommendation.

Consideration of applications will begin November 1st, with an anticipated start date of July 1, 2025. The posting will close and we will no longer be accepting applications after January 31, 2025.

Applications must be submitted at <https://unc.peopleadmin.com/postings/289501>.

The University of North Carolina at Chapel Hill is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment

without regard to age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or status as a protected veteran.



UNIVERSITY of NORTH CAROLINA WILMINGTON

Assistant Professor - Computer Science Graphics/Animation/Game Engines

The Department of Computer Science within the College of Science and Engineering at the University of North Carolina Wilmington invites applications for a nine-month tenure-track position at the rank of Assistant Professor in Computer Science to begin August 2025.

Duties include teaching in the undergraduate and graduate computer science programs, specifically in core computer science, computer graphics, 3D animation, game engines or related areas while maintaining an active research program and mentoring undergraduate and graduate students.

To apply, visit <https://apptrkr.com/5848500>



UNIVERSITY of NORTH CAROLINA WILMINGTON

Assistant Professor - Computer Science Platforms/Cloud Computing Human-Computer Interfaces/System Admin

The Department of Computer Science within the College of Science and Engineering at the University of North Carolina Wilmington invites applications for a nine-month tenure-track position at the rank of Assistant Professor in Computer Science to begin August 2025.

Duties include teaching in the undergraduate and graduate computer science programs, specifically in core computer science, platform technologies, cloud computing, human-computer interfaces, system administration or related areas while maintaining an active research program and mentoring undergraduate and graduate students.

To apply, visit <https://apptrkr.com/5848523>

University of North Carolina at Greensboro

Assistant Professor of Computer Science

The University of North Carolina at Greensboro (UNCG) invites applications for a tenure-track Assistant Professor position in the Department of Computer Science, starting August 1, 2025. We seek candidates with strong research and teaching potential, especially in Human-Computer Interaction and Virtual Reality. However, applicants in other areas such as algorithms, AI, machine learning, data analytics, databases, data mining, image processing, networking, and security are also encouraged. UNCG's Computer Science Department offers ABET-accredited B.S., M.S., and Ph.D. programs and is experiencing rapid growth.

For more information on the Computer Science Department at UNCG, visit the Department's web page at <http://compsci.uncg.edu/>.

For the complete job announcement and application procedures see: <https://spartalent.uncg.edu/postings/30390>

You may direct your informal inquiries to Dr. Min Jeong Kim (cssearch@uncg.edu).

University of North Florida

Assistant/Associate Professor of Computing

University of North Florida's School of Computing is seeking to hire multiple tenure and non-tenure track faculty at the Assistant / Associate Professor and Instructor levels.

For more information visit: <https://unf.wd5.myworkdayjobs.com/unfjobs>. UNF is an Equal Opportunity Employer and does not commit or permit discrimination or harassment on the basis of genetic information, race, color, religion, age, sex, disability, gender identity/ expression, sexual orientation, marital status, national origin, or veteran status in any educational, employment, social, recreational program or activity that it offers. Applicants in need of reasonable accommodations to participate in the search under the ADA should call (904) 620-2870.

University of Pittsburgh

PittSCI - Tenure-Stream Assistant Professor for Quantum Algorithms

Tenure-Stream Assistant Professor for Quantum Algorithms

As the University of Pittsburgh's newest school, the School of Computing and Information (SCI) is a growing interdisciplinary community of faculty, staff and students who are accustomed to thinking beyond boundaries and innovating new approaches to lead our institution and nation to positive change. Since 2017, SCI has recruited more than forty-five new faculty members, and we are continuing our growth with openings in the tenure and appointment (non-tenure) streams this year.

SCI's interdisciplinary and transdisciplinary research and education spans computer science, informatics, and networked systems, and information culture and data stewardship with rich connections to partners in education, health sciences,

medicine, engineering, social sciences, business, and other areas.

This tenure-stream Assistant Professor position in quantum algorithms offers opportunities for close collaboration with quantum researchers across campus departments and schools. Pitt's commitment to advancing quantum technologies is demonstrated through new hires for quantum research within SCI and across other departments within Pitt, and initiatives like the \$11.6M Western Pennsylvania Quantum Information Core (<https://www.pitt.edu/pittwire/features-articles/pitt-investment-pa-quantum>), in which SCI plays a pivotal role. Pitt's extensive research presence (<https://pittresearchannualreport.com/>), with annual expenditures exceeding \$1 billion, offers abundant collaboration opportunities. In addition, the region includes strong cross-university collaboration opportunities. More than a decade ago Pitt established the Pittsburgh Quantum Institute, which is now co-directed by Pitt and Carnegie Mellon University (CMU), and has over 100 faculty members from Pitt, CMU, and Duquesne University (<https://www.pqi.org/>).

The position is also an opportunity to contribute to Pitt's efforts on quantum technologies education to build the quantum and quantum-adjacent workforce. SCI in partnership with the Kenneth P. Dietrich School of Arts and Sciences recently launched an undergraduate major degree program, Bachelor of Science in Physics and Quantum Computing.

SCI places a strong emphasis on diversity, social justice, and inclusive excellence, and we are actively seeking faculty colleagues who share a deep commitment to these principles and contribute to the broadening of participation in computing through their research, education, service, engagement, and lived experiences. We promote an equitable and inclusive community through faculty development and mentorship, promotion of work-life balance, a program for dual-career couples, and a commitment to recruit, retain, and develop faculty from diverse backgrounds and experiences.

About the Position

The School of Computing and Information (SCI) seeks a tenure-stream Assistant Professor in the broad area of quantum algorithms. SCI has three departments – Computer Science, Informatics and Networked Systems, and Information Culture and Data Stewardship. SCI is interested in candidates whose expertise in developing or applying quantum algorithms aligns with one or more of these departments and who can collaborate effectively with our faculty in various quantum domains such as quantum information, quantum computing systems, quantum cryptography, large-scale quantum simulation, or quantum sensing. Faculty candidates who are excited to collaborate across schools with our colleagues in the Swanson School of Engineering, the Dietrich school of Arts and Sciences, and other Pitt schools are encouraged to apply.

We expect faculty candidates to bridge the gap between classical and quantum

computing and information in a variety of ways, such as:

- Coordinating between classical and quantum algorithms and approaches.
- Developing or using innovative quantum algorithms for applications or design.
- Efficient algorithms for emulation of quantum computing and networking.
- Developing and applying machine learning algorithms to optimize quantum computing.
- Quantum sensing algorithms and theories in domains, such as space and medicine.
- Practical quantum error correction algorithm designs.
- Fault tolerant implementations of quantum algorithms in different quantum computational models.
- Developing quantum cryptographic systems including quantum network and post-quantum cryptography.

Minimum required qualifications

- A PhD or equivalent terminal degree in computer science, computer engineering, information science, information systems or closely related area by August 15, 2025.
- At least three years of relevant experience in advancing research outcomes in quantum algorithms demonstrated by journal and conference publications.
- Evidence of interest and ability to teach at the undergraduate and graduate levels in both classical algorithms, computational theory, and quantum algorithms.

Preferred qualifications

- Candidates with a track record of initiating a successful interdisciplinary

research program in areas such as quantum compilation, distributed quantum computing, quantum error correction and fault tolerance, quantum machine learning, or quantum cryptography.

- Candidates with a strong curiosity and willingness to explore futuristic advancements in quantum science and technology and taking their research in emerging directions.

Application Process

Individuals interested in the opening may apply at <https://sci.pitt.edu/recruiting>. A completed application includes a cover letter, curriculum vitae, research statement, teaching statement, an optional statement of commitment to creating a representative and inclusive community, and the names and contact information for at least three recommenders.

Application reviews will begin after January 5, 2025, with a deadline of March 1, 2025; applications will be accepted until positions are filled. We anticipate that individuals will be invited to interview on campus starting in February 2025.

The anticipated start date is August 15, 2025.

Questions about the search and/or application status may be emailed to sci-recruit@pitt.edu.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity, EOE, including disability/vets.



THE UNIVERSITY OF RHODE ISLAND **Assistant Professor of Computer Science (CS)**

Position location: Kingston

The University of Rhode Island invites applications for a tenure-track Assistant Professor in the Department of Computer Science and Statistics (CS&S). We seek candidates who can contribute to both teaching and research in Computer Science, with an area of expertise in Artificial Intelligence.

The Assistant Professor position is a permanent, tenure-track, full-time, 9-month academic year appointment starting with the academic year 2025-26.

Applicants should demonstrate a strong commitment and capacity to initiate new funded research as well as to expand, complement, and collaborate with existing research programs in the CS&S department and beyond. It is expected that all candidates will also be committed to excellence in undergraduate and graduate teaching, including developing new courses related to their research expertise and supervising and mentoring students.

Duties & Responsibilities:

Conduct research, obtain external research funding, and participate in interdisciplinary research; teach undergraduate and graduate courses; advise graduate students, participate in CS&S department service activities.

For complete details about the position, including required and preferred qualifications, and the application process itself, please visit the URI Jobs website at <https://aptrkr.com/5805329> to apply and view complete details for job posting (F00450).

The search will remain open until the position has been filled. First consideration will be given to applications received by December 15, 2024. Applications received after December 15, 2024 may be reviewed depending on search progress and needs but are not guaranteed full consideration.

APPLICATIONS MUST BE SUBMITTED ONLINE ONLY.

The University of Rhode Island is an EEO employer. Women, persons of color, protected veterans, individuals with disabilities, and members of other protected groups are encouraged to apply.

analytics, data science, and AI to the healthcare industry. Candidates must have a Ph.D. in Data Science or a related field and experience with graduate teaching and curriculum design.

To Apply: <https://www.hajim.rochester.edu/dsc/>

University of South Alabama

Tenure Track Assistant or Associate Professor and Non-Tenure Track Instructor Ranks to Teach in Areas of Cybersecurity, Information Systems, and Information Technology

The School of Computing at the University of South Alabama is hiring for multiple faculty positions in Cybersecurity and Information Systems & Technology. We seek candidates at the tenure track Assistant or Associate Professor and non-tenure track Instructor ranks to teach in areas of cybersecurity, information systems, and information technology. Tenure track applicants must hold a Ph.D. in Information Systems, Information Technology, or a closely related field from a regionally accredited institution. Applicants for the non-tenure track Instructor position must possess a minimum of an MS in Information Systems, Information Technology, or a closely related field. For more information and application instructions visit <https://www.southalabama.edu/departments/academicaffairs/facultyposition.html>.

University of Rochester

Assistant/Associate/Full Professor, Instructional Track, Healthcare Data Science and AI

The University of Rochester's Goergen Institute for Data Science seeks an outstanding candidate for an Instructional Faculty position in Data Science, open to

all ranks – Assistant, Associate, or Full Professor, for our new, online Master of Science degree program in Healthcare Data & Science and AI.

The program was jointly developed with the University of Rochester Medical Center's Health Lab to target professionals who want to apply data

University of Southern California

(Open Rank) Lecturer, Senior Lecturer, Associate Professor, or Professor of Practice of Computer Science

Viterbi School of Engineering Faculty Los Angeles, California

The Thomas Lord Department of Computer Science (<http://cs.usc.edu>) at the new USC School of Advanced Computing (<http://sac.usc.edu>) in our USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) is in a period of significant and sustained faculty growth. As part of its growth strategy, the department is currently focused on attracting strong, dynamic candidates for teaching faculty positions at the rank of Lecturer or higher.

This effort aligns with USC's \$1 billion Frontiers of Computing initiative, the largest, most comprehensive academic initiative in the university's history (<http://computing.usc.edu>). The initiative has already resulted in the creation of the new USC School of Advanced Computing, which aims to advance computing research and expand USC's presence in Silicon Beach, L.A. County's tech corridor. Our CS department is also moving to a new home: the Dr. Allen and Charlotte Ginsburg Human-Centered Computation Hall, a state-of-the-art, seven-story facility, inaugurated on September 17, 2024.

The teaching faculty positions are full time, benefits-eligible, faculty positions on the non-tenure track. We are seeking

candidates to teach at the undergraduate and/or graduate level and who can contribute to the diversity and excellence of the USC academic community. The USC Viterbi School of Engineering 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.

This is primarily a teaching position; all candidates are expected to have a strong commitment to teaching and the preparation necessary to teach effectively at the Bachelor's and Master's degree levels in a highly-ranked Computer Science department. Teaching faculty spend the majority of their time on teaching and teaching-related duties. By the date of their appointment, candidates should have an earned doctoral degree (or equivalent) in Computer Science or other closely related field. We are interested in candidates with backgrounds in all areas of Computer Science. While we seek applications at the rank of Lecturer or Senior Lecturer, in exceptional cases applicants with longer and more accomplished teaching experience and/or other significant credentials may also be considered for a commensurate higher-ranked position (e.g., Associate Professor of Practice or Professor of Practice).

Applicants should submit their applications at ([USC Careers Website](#)).

Applications must include a cover letter, a detailed curriculum vitae, and the names of at least three professional references—at least two of whom must

be familiar with, and able to comment on, the applicant's teaching experience. Applications must also include a teaching statement explaining the applicant's relevant experience and approach to teaching, and a separate diversity statement describing the applicant's relevant experience and approach to fostering an environment of diversity and inclusion. Applicants are strongly encouraged to include evidence, if available, of their teaching effectiveness (e.g., student and/or peer evaluations). Applications should be submitted by November 15, 2024, for priority consideration; applications received after this deadline may not be considered or be considered only on a rolling basis.

The USC Viterbi School of Engineering is among the top-tier engineering schools in the world. It counts 213 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, a 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 \$177 million annually. With 52 tenure-track, 27 research faculty, and 16 teaching faculty, the USC Thomas Lord 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:

Lecturer: \$98,000 - \$114,000

Senior Lecturer: \$115,000 - \$132,000

Associate Professor of Engineering

Practice: \$136,000 - \$160,000

Professor of Engineering Practice:

\$165,000 - \$200,000

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.

University of Southern California

*Associate and Full Professor of
Computer Science*

*USC Viterbi School of Engineering
Faculty*

Los Angeles, California

The Thomas Lord Department of Computer Science (<http://cs.usc.edu>) at the new **USC School of Advanced Computing** (<http://sac.usc.edu>) in our USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) is in a period of significant and sustained faculty growth. As part of its growth strategy, the department is currently focused on attracting strong, dynamic mid-career and senior-level candidates who are interested in enhancing the department's profile.

This effort aligns with USC's **\$1 billion Frontiers of Computing initiative**, the largest, most comprehensive academic initiative in the university's history (<http://computing.usc.edu>). The initiative has already resulted in the creation of the new USC School of Advanced Computing, which aims to advance computing research and expand USC's presence in Silicon Beach, L.A. County's tech corridor. Our CS department is also moving to a new home: the Dr. Allen and Charlotte Ginsburg Human-Centered Computation Hall, a state-of-the-art, seven-story facility, inaugurated on September 17, 2024.

Outstanding candidates at Associate and Full Professor ranks from all areas of computer science will be considered. The USC Viterbi School of Engineering 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. Outstanding senior applicants who have demonstrated academic excellence and leadership and whose past activities document a commitment to issues involving the advancement of women in science and engineering may also be considered for the Lloyd Armstrong, Jr. Endowed Chair, which is supported by the Women in Science and Engineering (WiSE) Program endowment.

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](#).

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 10, 2025.

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 213 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, a 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 \$177 million annually. With 52 tenure-track, 27 research faculty, and 16 teaching faculty, the USC Thomas Lord 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:

- Associate Professor: \$153,000 - \$180,000
- Professor: \$ 185,000 - \$250,000

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

University of South Florida

Tenure-track Faculty Positions at All Ranks

Applications are invited for multiple tenured and tenure-track faculty positions at all ranks in the new College of Artificial Intelligence, Cybersecurity, and Computing (CAICC) at the University of South Florida (USF). This new college presents a rare opportunity to join a forward-looking institution dedicated to high-impact research. USF seeks candidates whose research aligns with strategic, high-potential areas for federal funding, such as artificial intelligence, cybersecurity, software engineering, systems, networking, AR/VR, human-centered computing, social networks, hardware design/test/ automation, and ethics and societal implications of technology. Faculty joining CAICC will have the unique advantage of shaping the direction of a college poised for tremendous growth in reputation and research impact.

All candidates should have an established record of high-quality research publications in selective venues, a commitment to excellence in teaching, and a willingness to build collaborative research agendas. 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 initiatives 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. Successful candidates could start in the Fall of 2025.

CAICC offers an ideal environment for building a fulfilling career. Faculty members benefit from USF's commitment to interdisciplinary collaboration, with opportunities for dual appointments across the university, connections to specialized institutes like the USF Institute for Artificial Intelligence + X, and partnerships with leading centers such as the Florida Center for Cybersecurity (CyberFlorida), the Center for Innovation, Technology, and Aging (CITA) and the Rapid7 Cyber Threat Intelligence Lab.

Launching in Fall 2025, the new College of Artificial Intelligence, Cybersecurity, and Computing (CAICC) will be seeded by faculty and staff from USF's current Department of Computer Science and Engineering. CAICC will open with a strong foundation of 36 tenure-track faculty, 17 instructional faculty, and a diverse student body across BS, MS, and PhD programs, serving over 3,150 students. Faculty honors include eleven NSF CAREER

awardees and numerous fellows of prestigious organizations like IEEE and AAAS. Positioned within the top 15% of U.S. Computer Science programs, the faculty boasts a robust research portfolio, with \$4.5 million in recent annual research funding from major federal and industry sources, setting the stage for continued excellence and growth.

USF's bold investment in CAICC reflects its strategic vision for rapid expansion and influence in AI, cybersecurity, and computing on a national and global scale. The college has support to double its faculty in the next four years. It is a plan driven by increased federal and state funding opportunities and supported by USF's recent induction into the prestigious Association of American Universities (AAU). Faculty will be part of a growth trajectory fostering a pioneering research and development culture, creating unmatched opportunities to advance their careers in an institution that values innovation, societal impact, and academic excellence.

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 five consecutive years, U.S. News & World Report has ranked USF as one of the nation's top 50 public universities, including with USF's current ranking of 45. 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 \$461 millions dollars in research expenditure in 2022-23 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. 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 # 38364, Associate Professor search Job ID #38363, Full Professor, search Job ID # 38362). 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 Wendy Stoneman-Shelby, the EOL Coordinator at (813) 974-4857 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.

University of Texas at Austin

Assistant Professor in Building Human-Centered, Ethical, and Responsible AI Systems

The School of Information at The University of Texas at Austin invites applicants for an Assistant Professor in Building Human-Centered, Ethical, and Responsible AI Systems. We seek candidates who investigate human-centered AI systems through designing, building, and technically evaluating such systems. Our call is broadly inclusive of the range of AI areas such as: machine learning (ML), natural language processing (NLP), computer vision (CV), and generative AI and large language models (LLMs), etc. Candidates should develop AI systems in their research that advance support for human work or activities, e.g., by augmenting and amplifying the capabilities of individuals or groups of people. For more information, please visit <https://www.ischool.utexas.edu/about/jobs>.

University of Texas at Austin

Postdoctoral Fellow

Purpose

Project Affiliation: Army Contract for AI-Driven Network Optimization

About the Project: This exciting opportunity at the University of Texas at Austin involves working on a cutting-edge AI networking project under the guidance of Professor Chandrajit Bajaj. The project focuses on developing Predictive Intelligent Networking (PIN) agents, employing advanced AI techniques for rapid response decision-making in predictive intelligent communication networks. Our innovative approach centers on enhancing network efficiency, reducing overhead traffic, automating PACE communications planning, and improving scalability in challenging environments. Our project is dedicated to crafting advanced machine-learning algorithms specifically designed for network optimization and security challenges. Through rigorous real-world simulation scenarios, we aim to deliver robust solutions that excel in environments with incomplete or uncertain data. This role offers the chance to be part of a pioneering effort to create generic solutions for heterogeneous Army networks, working within the confines of existing network protocols.

Responsibilities

- Collaborate in the conceptualization and development of theoretical frameworks to underpin AI-driven network optimization.

- Engage in the design and iterative refinement of AI agents with a special focus on traffic prioritization and network adaptability.
- Play a pivotal role in controlled scenario testing, contributing to rigorous result analysis and validation.
- Support the research team by assisting in the preparation of detailed technical reports and presentations that demonstrate project milestones and insights.

Required Qualifications

- Ph.D. in Computer Science, Computer Engineering, Computational Applied Mathematics, or a related discipline within the last 3 years
- Experience with statistical AI/machine learning methodologies, particularly those applicable to graph and network optimization.
- Proven ability in Python programming and familiarity with particle filters and graph neural network simulation tools and environments.
- A strong propensity for innovative thinking coupled with a disciplined approach to research and collaboration.

Preferred Qualifications

- Publications or significant contributions to the field of AI, machine learning, or networking.
- Experience with interdisciplinary research and collaborative projects.
- Familiarity with military or defense communication systems is a plus.

Salary Range

\$70,000 + depending on qualifications

Required Materials

- Letter of Interest
- Research Statement
- Resume/CV
- Arrange at least three (3) confidential reference letters be sent to DBGapplications@cs.utexas.edu
- Proof of Ph.D. in Computer Science, AI, Networking or a related discipline earned within the last three years.

General Notes:

Must be eligible to work in the United States on a full-time basis without sponsorship. Position expected to continue until March 1, 2027.

University of Texas at Dallas

Assistant/Associate/Full Professor (Open Rank) Positions in Computer Science

Position Description

The Department of Computer Science in the Erik Jonsson School of Engineering and Computer Science at The University of Texas at Dallas (UT Dallas) invites applications for five tenure-system open rank faculty positions. Applicants from all areas of computer science are sought. Applicants from emerging and interdisciplinary computing areas, including but not limited to quantum computing, robotics, computational neuroscience, intelligent transportation, smart health, IoT, cyber physical systems, and computational chemistry are also encouraged to apply. Applicants seeking an Associate or Full Professor

position should have a strong record of publications and external funding, commensurate with the rank. Teaching responsibilities include undergraduate and graduate level courses in the core curriculum and in the candidate's specialization area. In addition to teaching, the position requires an active agenda of research and publication as well as service in the UT Dallas and professional communities.

The appointment commences for the fall 2025 semester.

Qualifications

Minimum Education and Experience: A PhD in Computer Science, Software Engineering or a related discipline is required prior to employment; those with ABD status will be considered at the application/interviewing stage. Candidates are expected to demonstrate the ability to work effectively in a highly collaborative, engaging, and dynamic environment comprised of individuals with a range of backgrounds, skills, and perspectives. We are seeking candidates able to produce research and scholarly or creative achievements that enhance the program and the discipline, and able to deliver high quality teaching using evidence-based practices to effectively engage students from a range of backgrounds and experiences.

Preferred Education and Experience: a PhD in Computer Science, Software Engineering, or a closely related discipline.

The Department/School

The Department of Computer Science at UT Dallas is one of the largest in the

country, with more than 5,000 students, and offers B.S., M.S., and Ph.D. degrees in both Computer Science and Software Engineering. It also offers joint degrees in Data Science, Computer Engineering, and Telecommunication Engineering. The department is home to 54 tenure track faculty, including 18 NSF CAREER awardees. The department is primarily housed in a 150,000 square feet facility and has excellent computing equipment and support. It houses a few centers and institutes, particularly in areas of cyber security, human language technology, net centric software, AI, and machine learning.

Application Instructions

Applicants should upload the following via the [online application](#):

- Full curriculum vitae and cover letter summarizing their interests and qualifications for the position.
- Statement of teaching philosophy describing their conceptualizations of teaching and learning, and teaching and assessment methods, and how their teaching practices will engage students from a range of backgrounds and experiences.
- Research statement describing past, present, and future research, including how they mentor (or will mentor) student researchers and foster (or will foster) collaborative research environments.
- Full contact information for at least three academic or professional references (four references for Associate Professor and Full Professor applicants).

Review of completed applications will start on 10/01/2024. Reviews will continue until the positions are filled or the search is closed on 05/01/2025.

The University and Community

UT Dallas is a top public research university located in one of the nation's fastest-growing metropolitan regions. Our seven schools offer more than 140 undergraduate and graduate programs, plus professional certificates and fast-track programs. Our student body is 30,000 strong, reflecting students from over 100 countries and a multiplicity of identities and experiences. Over 65% of our undergraduate students receive some form of need- or merit-based financial aid; and 66% of graduating seniors have no student debt compared to 48% in Texas and 32% in the nation (2021 TICAS report).

UT Dallas is committed to graduating well-rounded members of the global community whose education has prepared them for rewarding lives and productive careers in a constantly changing world. A diversity of people, ideas, and perspectives is crucial to our vision and mission. UT Dallas is a place where members of the community from all backgrounds are welcomed, treated fairly, and encouraged in their pursuit of excellence.

The University has a variety of programs and initiatives to support engagement and success for all members of the campus community. Employee benefits include a range of physical and mental wellness resources. "LilyPad" lactation facilities are located throughout the campus. There are several Employee

Resource Groups (ERGs) comprised of individuals who share common interests to help build community among UT Dallas faculty and staff (e.g., Universal Access ERG, Military and Veteran ERG, UT Dallas Young Professionals).

Rich with visual and performing arts venues, museum districts, professional and semi-professional athletics teams, botanical gardens, accessible trails and so much more, the Dallas-Fort Worth (DFW) metroplex has something for everyone to explore. UT Dallas partners with regional higher education institutions and school districts and with the [Richardson Innovation Quarter](#) (Richardson IQ), a major hub for innovation, entrepreneurship, and educational activities.

Equal Employment Opportunity/ Affirmative Action

The University of Texas at Dallas is committed to providing an educational, living and working environment that is welcoming, respectful, and inclusive of all members of the university community. The University [prohibits unlawful discrimination](#) against a person because of their race, color, religion, sex (including pregnancy), sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information, or veteran status.

The University of Texas at Dallas is an [equal opportunity/affirmative action](#) university.

University of Texas at Dallas

Tenure-Track Assistant Professor Positions in Computer Science

Position Description

The Department of Computer Science in the Erik Jonsson School of Engineering and Computer Science at The University of Texas at Dallas (UT Dallas) invites applications for multiple tenure-system faculty positions. We expect to make up to seven appointments at the rank of Assistant Professor. Applicants from all areas of computer science are sought. Applicants from emerging and interdisciplinary computing areas, including but not limited to quantum computing, robotics, computational neuroscience, intelligent transportation, smart health, IoT, cyber physical systems, and computational chemistry are also encouraged to apply. Teaching responsibilities include undergraduate and graduate level courses in the core curriculum and in the candidate's specialization area. In addition to teaching, the position requires an active agenda of research and publication as well as service in the UT Dallas and professional communities.

The appointment commences for the fall 2025 semester.

Qualifications

Minimum Education and Experience: A PhD in Computer Science, Software Engineering or a related discipline is required prior to employment; those with ABD status will be considered at the application/interviewing stage. Candidates are expected to demonstrate the ability to work effectively in a highly collaborative, engaging, and dynamic environment comprised of

individuals with a range of backgrounds, skills, and perspectives. We are seeking candidates able to produce research and scholarly or creative achievements that enhance the program and the discipline, and able to deliver high quality teaching using evidence-based practices to effectively engage students from a range of backgrounds and experiences.

Preferred Education and Experience: a PhD in Computer Science, Software Engineering, or a closely related discipline.

The Department/School

The Department of Computer Science at UT Dallas is one of the largest in the country, with more than 5,000 students, and offers B.S., M.S., and Ph.D. degrees in both Computer Science and Software Engineering. It also offers joint degrees in Data Science, Computer Engineering, and Telecommunication Engineering. The department is home to 54 tenure-track faculty, including 18 NSF CAREER awardees. The department is primarily housed in a 150,000 square foot facility and has excellent computing equipment and support. It houses a few centers and institutes, particularly in the areas of cyber security, human language technology, net centric software, AI, and machine learning.

Application Instructions

Applicants should upload the following via the [online application](#):

- Full curriculum vitae and cover letter summarizing their interests and qualifications for the position.
- Statement of teaching philosophy describing their conceptualizations of

teaching and learning, and teaching and assessment methods, and how their teaching practices will engage students from a range of backgrounds and experiences.

- Research statement describing past, present, and future research, including how they mentor (or will mentor) student researchers and foster (or will foster) collaborative research environments.
- Full contact information for at least three academic or professional references.

Review of completed applications will start on 10/01/2024. Reviews will continue until the positions are filled or the search is closed on 05/01/2025.

The University and Community

UT Dallas is a top public research university located in one of the nation's fastest-growing metropolitan regions. Our seven schools offer more than 140 undergraduate and graduate programs, plus professional certificates and fast-track programs. Our student body is 30,000 strong, reflecting students from over 100 countries and a multiplicity of identities and experiences. Over 65% of our undergraduate students receive some form of need- or merit-based financial aid; and 66% of graduating seniors have no student debt compared to 48% in Texas and 32% in the nation (2021 TICAS report).

UT Dallas is committed to graduating well-rounded members of the global community whose education has prepared them for rewarding lives and productive careers in a constantly changing world. A diversity of people, ideas, and perspectives is crucial to our vision and mission. UT Dallas is a

place where members of the community from all backgrounds are welcomed, treated fairly, and encouraged in their pursuit of excellence.

The University has a variety of programs and initiatives to support engagement and success for all members of the campus community. Employee benefits include a range of physical and mental wellness resources. "LilyPad" lactation facilities are located throughout the campus. There are several Employee Resource Groups (ERGs) comprised of individuals who share common interests to help build community among UT Dallas faculty and staff (e.g., Universal Access ERG, Military and Veteran ERG, UT Dallas Young Professionals).

Rich with visual and performing arts venues, museum districts, professional and semi-professional athletics teams, botanical gardens, accessible trails and so much more, the Dallas-Fort Worth (DFW) metroplex has something for everyone to explore. UT Dallas partners with regional higher education institutions and school districts and with the *Richardson Innovation Quarter* (Richardson IQ), a major hub for innovation, entrepreneurship, and educational activities.

Equal Employment Opportunity/Affirmative Action

The University of Texas at Dallas is committed to providing an educational, living and working environment that is welcoming, respectful, and inclusive of all members of the university community. The University *prohibits unlawful discrimination* against a person because of their race, color, religion, sex (including pregnancy), sexual orientation, gender

identity, gender expression, national origin, age, disability, genetic information, or veteran status.

The University of Texas at Dallas is an *equal opportunity/affirmative action* university.

The University of Tulsa

Tenure or Tenure Track Faculty- Artificial Intelligence

The Tandy School of Computer Science within the College of Engineering and Computer Science (ECS) invites applications for tenured or tenure-track faculty positions at the assistant, associate, or full professor level with expertise in areas related to new frontiers in theoretical and applied Artificial Intelligence. Areas of particular interest include deep learning, machine learning, large language models, computer vision, natural language processing, and human-AI collaboration. The successful applicant will be required to teach, advise, and mentor graduate and undergraduate students; develop a strong, independent, and externally funded research program; contribute to improving the quality and reputation of the department locally, nationally, and internationally; and serve the college, the university, and the discipline. Excellence in written and verbal communication is essential.

Applicants must have earned a doctorate in Computer Science or a related discipline. Information on the department can be found at <http://utulsa.edu/academics/engineering-computer-science/departments/computer-science/>. Additional relevant experience, including industrial and research lab tenures, is

encouraged. A strong track record of impact and leadership in AI is expected of applicants for senior positions.

Applicants should submit the following documents through TU's online applications portal (<https://universitytulsa.peopleadmin.com/postings/9616>): (1), a cover letter, (2) a CV, (3) a teaching statement, (4) a research statement, and (5) a list of three to five references that include postal addresses, phone numbers and email addresses. Application reviews will begin on November 15, 2024, and will continue until all positions are filled. It is anticipated the appointment will begin in the Fall 2025 semester.

The University of Tulsa

Tenure or Tenure Track Faculty- Statistics

The Mathematics Department, in collaboration with the Tandy School of Computer Science within the College of Engineering and Computer Science (ECS) invite applications for tenured or tenure-track faculty in Statistics, with research interests in areas such as data science, mathematical statistics, statistical machine learning and artificial intelligence, stochastic processes, or closely related data-centric topics. The successful candidate will be integral to the success of the new Data Science program at TU.

Faculty in this role are required to teach, advise, and mentor graduate and undergraduate students; develop a strong, independent research program, develop a national reputation; and serve the college, the university, and the discipline. The department of appointment for this

position is open and could include a joint appointment. We encourage competitive applications by candidates from a range of technical disciplines including but not limited to mathematics, computer science, and adjacent areas of study.

Applicants should submit the following documents through TU's online applications portal (<https://universitytulsa.peopleadmin.com/postings/9739>): (1) a cover letter, (2) a CV, (3) a teaching statement, (4) a research statement, and (5) a list of five references that include postal addresses, phone numbers, and email addresses. Full consideration will be given to applications received by January 1, 2025. Applications received after that date may be considered until the position is filled. It is anticipated that the appointment will begin in the Fall 2025 semester.

University of Washington Bothell

Assistant Professors – Computing and Software Systems (Multiple)

University of Washington Bothell School of STEM's Division of Computing & Software Systems invites applications for multiple tenure track positions at the rank of Assistant Professor. The successful candidates will join our faculty on a full-time basis for a nine-month academic year appointment beginning September 16, 2025. Candidates will be considered across a wide range of research and teaching areas, including but not limited to: software engineering, cybersecurity, cloud computing, artificial intelligence,

systems architecture, embedded systems, Internet of Things, and human-computer interaction. Applications received by December 1, 2024 will receive full consideration. For the complete position description and application, please visit: https://ap.washington.edu/ahr/position-details/?job_id=148777.

University of Washington Bothell

Assistant Teaching Professors – Computing and Software Systems (Multiple)

University of Washington Bothell School of STEM's Division of Computing & Software Systems invites applications for multiple teaching track positions at the rank of Assistant Teaching Professor. The successful candidates will join our faculty on a full-time basis for a nine-month academic year appointment beginning September 16, 2025. Candidates will be considered across a wide range of teaching interests, including but not limited to: computer science education, software engineering, cybersecurity, cloud computing, artificial intelligence, systems architecture, embedded systems, Internet of Things, human-computer interaction, technical communications, ethics, and business of computing. Applications received by November 15, 2024 will receive full consideration. For the complete position description and application, please visit: https://ap.washington.edu/ahr/position-details/?job_id=148779.

University of Waterloo

Tenure-track Faculty Positions

The David R. Cheriton School of Computer Science in the Faculty of Mathematics at the University of Waterloo invites applications for multiple positions in data management and data systems, with focus on data science and data intelligence. The School also invites applications for multiple positions in other areas of computer science, including, but not limited to, algorithms and complexity, bioinformatics, machine learning and computer vision, and computer systems and architecture.

Excellent faculty members are sought who will enhance the School's strengths. Positions will normally be at the probationary (tenure track) assistant professor level. Appointments with tenure, at the associate and full professor level, are possible as circumstances warrant. All successful applicants are expected to engage actively in graduate student supervision and teaching, contribute to the overall development of the School, and be, or have demonstrated the potential to be, leaders in their research field. A PhD in computer science, or equivalent, is required. Rank and salary will be commensurate with experience; the salary range is \$150,000 – \$180,000. Negotiations beyond this salary range will be considered for exceptionally qualified candidates. The anticipated start date is July 1, 2025; however, alternate start dates may be negotiated.

The David R. Cheriton School of Computer Science is the largest computer science

school in Canada, with 113 faculty members. It enjoys an excellent reputation in theoretical and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the School attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the School's website for more information: <https://cs.uwaterloo.ca/about/open-positions>.

To apply, please register at the submission site: <https://cs.uwaterloo.ca/faculty-recruiting>. Once registered, instructions will be provided regarding how to submit your full application. Applications received by November 30, 2024, will be given full consideration; however, applications will continue to be reviewed until the positions are filled.

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg, and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations, which includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Office of Indigenous Relations: <https://uwaterloo.ca/indigenous/>.

The University values the diverse and intersectional identities of its students, faculty, and staff. It regards equity and diversity as an integral part of academic

excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism, and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as Indigenous peoples (e.g., First Nations, Métis, Inuit/Inuk), Black, racialized, people with disabilities, women and/or 2SLGBTQ+.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview, or workplace accommodation requests, please contact Occupational Health at occupationalhealth@uwaterloo.ca. The office will work with the selection committee to secure accommodation while ensuring that the information is safeguarded, and confidentiality is maintained.

If you have any questions regarding the position, the application process, assessment process, or eligibility, please contact Professors Stephen Mann and Olga Veksler, David R. Cheriton School of Computer Science, at cs-recruiting@uwaterloo.ca.

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

Three reasons to apply:
<https://uwaterloo.ca/faculty-association/why-waterloo>.



ASSISTANT PROFESSOR

The University of Wisconsin-Milwaukee (UWM) is Wisconsin's second-largest university, with a unique dual mission of access and research to provide high-quality education for students from all backgrounds. UWM is one of 146 top research universities recognized as "R1" by the Carnegie Classification of Institutions of Higher Education. The information professions are changing rapidly, and future information professionals will need expertise in the application of artificial intelligence (AI).

As part of our growing, strategic focus on AI along with data science, **UWM's School of Information Studies (SOIS)** is inviting applications for a **full-time tenure track Assistant Professor position**.

The candidate will join us in preparing future information professionals to understand and apply AI-based technologies and techniques in various information organizations, including libraries, archives and private organizations, to add value by solving real-world problems. This is a 9-month position with potential for teaching opportunities in the summer.

We seek scholars whose research, teaching, and impact in the field of AI in IST/LIS emphasize on: generative AI, natural language processing (NLP) and large language models (LLMs), deep learning or other machine learning (ML) frameworks, the interaction between human and AI, and AI in applied contexts, with specific interest in information retrieval and searching; information organization (metadata, classification, and cataloging); recommendation systems; chatbots and virtual reference services; the preservation, discovery, and accessibility of digital materials; data science (text and data mining); knowledge management and information visualization; user behavior analysis; sentiment and opinion analysis; and cybersecurity and/or anomaly detection.

The successful candidate will be expected to maintain an active research agenda and contribute to the scholarship of the School and College through externally funded research, teach both face-to-face and online classes at graduate and undergraduate levels, develop courses focused on AI at graduate and undergraduate levels, mentor graduate students, contribute to service in accordance with the university policy, and participate in school, college and university activities.

Minimum Criteria Include:

- A PhD in LIS, Information Technology, Computer Science, Informatics, or a closely related relevant field to AI by the start date of the appointment (August 2025).
- Evidence of a scholarly agenda showing how AI is integral to their program of research with potential to publish in top-tier academic journals.
- Exhibit potential for establishing independent, externally funded research related to the intersection of AI and IST/LIS.
- Strong commitment to teaching excellence in higher education.

Preferred Criteria Include:

- Record of research related to the intersection of AI with IST/LIS.
- Demonstrated ability of teaching effectiveness and curriculum development in higher education.
- Evidence of extramural funding related to the intersection of AI and IST/LIS.
- Experience of mentoring undergraduate and/or graduate students in higher education.

For More Information, or to Apply, Visit: <https://aptrkr.com/5804820>

Review of applications will begin on January 15, 2025 and continue until the position is filled.

University of Wisconsin-Madison

Assistant/Associate/Full Professor

The Department of Risk and Insurance at the Wisconsin School of Business invites applications at all ranks (Assistant, Associate, Full Professors).

We are excited to add a thought leader who expands our expertise on the role of AI, with applications to topics in risk and insurance. Some potential areas of research focus we have identified include the regulation and ethics of AI, Insuretech and evolving risk and insurance business models leveraging AI, and advances in actuarial techniques using AI and related technologies.

Interested applicants should review position requirements and apply at <https://jobs.wisc.edu/jobs/search?page=1&query=risk+and+insurance>

Villanova University

Assistant Professor of Computer Science

The Department of Computing Sciences at Villanova University seeks to fill one tenure track position at the rank of Assistant Professor beginning Fall 2025. Minimum qualifications include PhD in Computer Science or closely related field; active research agenda leading to high quality publications; commitment to effective teaching; support for interdisciplinary teaching and research; and commitment to promoting diversity and inclusion. Strong candidates from

all research areas will be considered. A background in Data Science, Machine Learning, HPC, or VR/AR is preferred.

To apply go to: <https://jobs.villanova.edu/postings/29383>

Questions about the position can be directed to Dr. Mirela Damian at mirela.damian@villanova.edu.

Virginia Tech

Collegiate Faculty Position in Computer Science

The Department of Computer Science at Virginia Tech seeks applications for a Collegiate Faculty member at the rank of Assistant or Associate Collegiate Professor. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research and innovative teaching. We embrace Virginia Tech's motto of *Ut Prosim* ("That I May Serve"); we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

Collegiate faculty members have a primary commitment to the instructional mission of the department, including graduate and undergraduate teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Successful candidates should give evidence of potential to take a lead role in enhancing curricula and promoting teaching excellence. In addition to

teaching, candidates will be expected to participate in research and scholarship. Applicants with expertise and interest in any area of scholarship that falls within the computer science department's research strengths (AI/ML, theory, systems, quantum, security, CS-education, etc.) are encouraged to apply.

At Virginia Tech, the collegiate faculty rank is a non-tenure track position that offers a clear promotion path with increasingly long-term contracts. Collegiate faculty are full members of the faculty and are encouraged to participate in sponsored research, mentor graduate students, participate in department and professional service, etc. The department currently has 86 faculty members, including 67 tenured or tenure-track faculty and 12 collegiate faculty. The department's instructional-track faculty are widely recognized for their teaching, both internally at Virginia Tech, and externally, including recognition through IEEE teaching awards and best paper recognitions at conferences.

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. Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. Virginia Tech actively seeks a broad spectrum of candidates to join our community in preparing leaders for the world. The College of Engineering undergraduate program ranks 16th and graduate program ranks 30th among all U.S. engineering schools (USN&WR). The Mission of the College of

Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

These positions are located at Virginia Tech's main campus in Blacksburg, VA, in an area consistently ranked among the country's best places to live. In addition, our program in the Washington, D.C. area offers unique proximity to government and industry partners and is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA slated to open in early 2025. Candidates for faculty positions at the Innovation Campus are encouraged to apply to separate announcements for those opportunities.

The successful candidate will have a doctoral degree in computer science or a closely related field, a rank-appropriate record of academic accomplishments, a proven ability to work collaboratively, a commitment to interdisciplinary research and instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Collegiate faculty are expected to teach effectively at both undergraduate and graduate levels, to conscientiously mentor both undergraduate and graduate students, and to serve the university and their professional communities. The position requires occasional travel to professional meetings.

Applicants must apply online at the following link:

<https://careers.pageuppeople.com/968/cw/en-us/job/531125/collegiate-faculty-position-in-computer-science>

Application materials include a cover letter, CV, and contact information for at least three professional references. In addition, applicants must provide three separate written statements (up to 3 pages each) (1) a statement of teaching and mentoring philosophy; (2) a statement expressing the candidate's ideas for supporting an equitable and inclusive educational environment consistent with the Virginia Tech Principles of Community; and (3) a research statement. In all three statements, providing specific examples of experiences, activities, and plans will help us identify candidates who can support and extend our university's commitment to inclusive excellence.

Review of applications will commence on November 15, 2024 and continue until the position is filled. Questions regarding the position should be directed to Dr. Ali R. Butt at facdev@cs.vt.edu.

Virginia Tech endorses and encourages participation in professional development opportunities and university shared governance. These valuable contributions to university shared governance provide important representation and perspective, along with opportunities for unique and impactful professional development.

The department fully embraces Virginia Tech's Commitment to increase faculty, staff and student diversity; to ensure a welcoming, affirming, safe and accessible campus climate; to advance our research, teaching, and service mission through

inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need an accommodation, please contact the Human Resources Services Center at hrrservicecenter@vt.edu or at (540) 231-9331.

Virginia Tech

Faculty Positions in Computer Science

The Department of Computer Science at Virginia Tech seeks applications for multiple tenure-track or tenured faculty positions at all ranks and in all areas of computer science. Special consideration will be given to candidates in the areas of artificial intelligence, machine learning, and data science; theory and algorithms, including numerical analysis and the intersection of science and AI; computer science education; and security. The department is in a period of rapid growth and expanding opportunity – applicants in any area of computer science are encouraged to apply. We are seeking candidates motivated to contribute to a

collegial, interdisciplinary community with a strong tradition of both fundamental and applied research and innovative teaching. We embrace Virginia Tech's motto of *Ut Prosim* ("That I May Serve"): we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

The department currently has 86 faculty members, including 67 tenured or tenure-track faculty. Members of the CS faculty have received 22 CAREER awards from the National Science Foundation and been recognized with faculty awards from IBM, Intel, AMD, Microsoft, Google, Meta, Cisco, and others. CS faculty members direct several interdisciplinary research centers, including the Center for Human-Computer Interaction and the Sanghani Center for Artificial Intelligence & Data Analytics. The department is home to over 1500 undergraduate and nearly 900 graduate students and is part of the College of Engineering. Faculty and graduate students in the department have extensive involvement with major Virginia Tech research institutes and initiatives, including the Commonwealth Cyber Initiative; the Fralin Biomedical Research Institute; the Fralin Life Sciences Institute; the Institute for Creativity, Arts, and Technology; the Institute for Critical Technology and Applied Science; the Institute for Society, Culture and Environment, the National Security Institute; and the Virginia Tech Transportation Institute. The department is also home to the newly launched NSF-funded COMPASS Center focused on pandemic prediction and prevention.

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. Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. Virginia Tech actively seeks a broad spectrum of candidates to join our community in preparing leaders for the world. The College of Engineering undergraduate program ranks 16th and graduate program ranks 30th among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

These positions are located at Virginia Tech's main campus in Blacksburg, VA, in an area consistently ranked among the country's best places to live. In addition, our program in the Washington, D.C. area offers unique proximity to government and industry partners and is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA slated to open in early 2025. Candidates for faculty positions at the Innovation Campus are encouraged to apply to separate announcements for those opportunities.

The successful candidate will have a doctoral degree in computer science or a closely related field, a rank-appropriate record of academic accomplishments, a proven ability to work collaboratively, a commitment

to interdisciplinary research and instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Tenured and tenure-track faculty are expected to initiate and develop independent research that is internationally recognized, conscientiously mentor research-oriented graduate students, teach effectively at both undergraduate and graduate levels, and serve the university and their professional communities. The positions require occasional travel to professional meetings.

Applicants must apply online at the following link:

<https://careers.pageuppeople.com/968/cw/en-us/job/531128/faculty-positions-in-computer-science>

Application materials include a cover letter, curriculum vitae, and contact information for at least three references. In addition, applicants must provide three separate written statements (up to 3 pages each): (1) a research statement; (2) a statement of teaching and mentoring philosophy; and (3) a statement expressing the candidate's ideas for supporting an equitable and inclusive educational environment consistent with the Virginia Tech Principles of Community—specific examples of experiences, activities, and plans will help us identify candidates who can support and extend our university's commitment to inclusive excellence. Review of applications will commence on November 15, 2024, and continue until the position

is filled. Questions regarding the position should be directed to Dr. Ali R. Butt at facdev@cs.vt.edu.

Virginia Tech endorses and encourages participation in professional development opportunities and university shared governance. These valuable contributions to university shared governance provide important representation and perspective, along with opportunities for unique and impactful professional development.

The department fully embraces Virginia Tech's Commitment to increase faculty, staff and student diversity; to ensure a welcoming, affirming, safe and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need an accommodation, please contact the Human Resources Services Center at hrrservicecenter@vt.edu or at (540) 231-9331.

Virginia Tech

Instructor

The Department of Computer Science at Virginia Tech seeks applications for an Instructor of Computer Science. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research and innovative teaching. We embrace Virginia Tech's motto of *Ut Prosim* ("That I May Serve"): we are committed to research, education, service, and inclusivity that makes a positive difference in the lives of people, communities, and the world.

Instructors have a primary commitment to the instructional mission of the department, with a focus on graduate and undergraduate teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Applicants with expertise and interest in any area of scholarship that falls within the computer science department's research strengths (AI/ML, theory, systems, quantum, security, CS-education, etc.) are encouraged to apply.

The department currently has 86 faculty members, including 67 tenured or tenure-track faculty, 12 collegiate faculty, and 5 instructors. The department's instructional-track faculty are widely recognized for their teaching, both internally at Virginia Tech, and externally, including recognition through IEEE teaching awards and best paper recognitions at conferences.

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. Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. Virginia Tech actively seeks a broad spectrum of candidates to join our community in preparing leaders for the world. The College of Engineering undergraduate program ranks 16th and graduate program ranks 30th among all U.S. engineering schools (USN&WR). The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship.

These positions are located at Virginia Tech's main campus in Blacksburg, VA, in an area consistently ranked among the country's best places to live. In addition, our program in the Washington, D.C. area offers unique proximity to government and industry partners and is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA slated to open in early 2025. Candidates for faculty positions at the Innovation Campus are encouraged to apply to separate announcements for those opportunities.

The successful candidate will have a master's or doctoral degree in computer science or a closely related field and a commitment to high-quality undergraduate and graduate teaching and a desire to serve the university and their professional communities.

Applicants must apply online at:
<https://careers.pageuppeople.com/968/cw/en-us/job/531122/instructor>

Application materials include a cover letter, CV, and contact information for at least three professional references. In addition, applicants must provide two separate written statements (up to 3 pages each) (1) a statement of teaching and mentoring philosophy; and (2) a statement expressing the candidate's ideas for supporting an equitable and inclusive educational environment consistent with the Virginia Tech Principles of Community. In both statements, providing specific examples of experiences, activities, and plans will help us identify candidates who can support and extend our university's commitment to inclusive excellence. Review of applications will commence on November 15, 2024 and continue until the position is filled. Questions regarding the position should be directed to Dr. Ali R. Butt at facdev@cs.vt.edu.

Virginia Tech endorses and encourages participation in professional development opportunities and university shared governance. These valuable contributions to university shared governance provide important representation and perspective, along with opportunities for unique and impactful professional development.

The department fully embraces Virginia Tech's Commitment to increase faculty, staff and student diversity; to ensure a welcoming, affirming, safe and accessible campus climate; to advance our research, teaching, and service mission through

inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need an accommodation, please contact the Human Resources Services Center at hrrservicecenter@vt.edu or at (540) 231-9331.

Virginia Tech

Open Rank Faculty, Quantum Systems

The Virginia Tech Innovation Campus and the Departments of Computer Science and Electrical and Computer Engineering jointly seek applicants for a tenure-track or tenured faculty position at all ranks at the Innovation Campus (IC) in the Washington DC Metropolitan area. Special consideration will be given to candidates in Quantum Computing or related areas that can contribute to our newly formed Center for Quantum Architecture and Software Development in Alexandria, Virginia. Departments of Computer Science and Electrical and Computer Engineering are ranked among the top in the nation. Faculty hired in this position will have an

academic appointment in the Department of Computer Science or the Department of Electrical and Computer Engineering which spans the Blacksburg and Alexandria campuses.

This position is located in Alexandria, Virginia, adjacent to the Washington, D.C. Metro area. The location offers unique proximity to government and industry partners and all the benefits of working at a Carnegie R1: Doctoral University with "very high research activity."

The successful candidate will have a doctoral degree in computer science, computer engineering, electrical engineering, or a closely related field, a rank-appropriate record of academic accomplishments, a proven ability to work collaboratively, a commitment to interdisciplinary research and instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. Tenured and tenure-track faculty are expected to initiate and develop independent research that is internationally recognized, conscientiously mentor research-oriented graduate students, teach effectively at the graduate level, and serve the university and their professional communities. The position requires occasional travel to professional meetings and venues.

For more information and to apply, please visit: <https://careers.pageuppeople.com/968/cw/en-us/job/531771/open-rank-faculty-quantum-systems>

Wayne State University

Open Rank (Tenured or Tenure-Track) Faculty Positions in Computer Science

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 2025. For senior candidates, appointment with tenure is possible. Candidates working in Computer Systems including Networking, Distributed and Parallel Computing, Edge and Cloud Computing, Cyber-Physical Systems, Internet of Things, Software Engineering, and related areas are especially encouraged to apply. Outstanding candidates who could complement and enhance current department strengths in other areas will also be considered. 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/2299?c=waynetalent>

and must include a cover letter, curriculum vitae, teaching and research statements, and names and addresses of at least three references. Links to a professional website such as Google Scholar or DBLP are recommended.

For full consideration, applications must be submitted by Feb 28, 2025. Applications will be accepted until the positions are filled.

The Department of Computer Science at Wayne State has 24 tenure-stream faculty

and 7 teaching faculty, with 5 NSF CAREER awards and over \$2.5M in annual research expenditure. Currently, we have over 1200 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 diverse 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.

Wayne State University

Open Rank (Tenured or Tenure-Track) Faculty Positions in Computer Science

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 2025. For senior candidates, appointment with tenure is possible. Candidates working in Computer Systems including Networking, Distributed and Parallel Computing, Edge and Cloud Computing, Cyber-Physical Systems, Internet of Things, Software Engineering, and related areas are especially encouraged to apply. Outstanding candidates who could complement and enhance current department strengths in other areas will also be considered. 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/2299?c=waynetalent>

and must include a cover letter, 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.

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William & Mary

Assistant Professor of Computer Science

The Department of Computer Science at William & Mary, a public university of the Commonwealth of Virginia, seeks applications for a tenure-track position at the Assistant Professor level to begin August 10, 2025. We are particularly interested in the areas of quantum information science, computer systems, and human-centered computing but exceptional applicants from all areas of computer science are encouraged to apply.

Duties include research, teaching, and service to the University. The applicant is expected to establish and maintain a high-quality research program, publish research results in top venues, teach at the undergraduate and graduate levels, supervise graduate and undergraduate research, and attract external funding to support their research activities. The department also values collaborations and the synergistic potential of a candidate's research within the department and the University's strategic vision. Teaching expectation is one course per semester.

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. As of August 2025, Computer Science will transition to the new School of Computing, Data Sciences, and Physics. The department has been



Worcester Polytechnic Institute

Assistant Professor and Assistant Professor of Teaching Positions in Computer Science and Artificial Intelligence

Job Summary:

Worcester Polytechnic Institute (WPI) is seeking applicants for **multiple faculty roles** in the **Computer Science Department** and the **Artificial Intelligence Program**. Positions include tenure-track dual-mission (teaching and research) positions, a tenure-track teaching-mission position, and a secure-contract teaching-mission position.

Job Description/Advertisement:

Looking for faculty colleagues who engage deeply in both high-impact research and high-quality teaching within a curriculum that embraces student projects and independent learning? Join our WPI community and help us enrich our diverse and inclusive environment.

About the Positions:

WPI is recruiting for six openings across four types of full-time faculty positions.

Two positions are dual-mission (teaching and research) tenure-track Assistant Professor positions in core areas of Computer Science. Specific focus areas of interest include, but are not limited to, programming languages, compilers, visualization, socio-technical systems, sustainable computing, and high-performance computing. In addition to these specific areas, candidates in any Computer Science area will receive full consideration. We are targeting a Fall 2025 start.

Two positions are dual-mission tenure-track Assistant Professor positions in both the Computer Science Department and the Artificial Intelligence Program with areas of expertise in Artificial Intelligence. Specific themes within Artificial Intelligence include, but are not limited to, Responsible AI, Machine Learning Operations (MLOps), Generative AI, Large-Language Models, Human-Centric AI, Data Systems for AI, Personalized Assistants, AI Education, Human-AI Interaction, and Multi-Agent systems. We also welcome experts in AI applications including, but not limited to, AI for Social Good, AI for Health, AI for Virtual Worlds, AI for Education, and AI for Science and Engineering Advances. In addition to these specific areas, outstanding candidates in any AI area will receive full consideration. We are targeting a Fall 2025 start.

Two positions are teaching-mission positions in both the Computer Science Department and the Artificial Intelligence Program. One opening is for a tenure-track Assistant Professor of Teaching and another is a secure-contract Assistant Teaching Professor. These are both career teaching-mission faculty positions with targeted starts in either January or August 2025. We seek candidates whose areas of expertise intersect with Artificial. These appointments are both expected to lead to long-term security of employment and have promotion paths including the Associate and Full ranks.

Candidates should have a PhD in Computer Science or a closely related field and the potential for excellence in teaching. Dual-mission applicants must also have the potential for excellence in research.

About the Department:

The Computer Science Department has 40 full-time faculty with research and teaching expertise in core Computer Science and CS-related interdisciplinary fields. Computer Science faculty collaborate in interdisciplinary programs, each including faculty from diverse disciplines beyond Computer Science. External funding for the department averages around \$10 million. The department has over 1,250 undergraduate students, over 65 Ph.D. students, and around 190 students seeking master's-level degrees.

About the University:

WPI is a selective private university with an innovative curriculum centered on science, engineering, arts, business, and global studies. Ranked highly by US News & World Report among national comprehensive universities, WPI has roughly 5,500 undergraduates and 2,600 graduate students.

Questions should be sent to recruit@cs.wpi.edu.

Application instructions are available at: <https://apptrkr.com/5731420>

The positions will start in January or August 2025. The deadline for applications is November 15, 2024 for the teaching-mission positions and December 15, 2024 for the dual-mission positions. WPI will continue to consider applications until the positions are filled.

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability.

GREAT MINDS at WORK

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. Opportunities for collaboration exist across the university, with nearby NASA Langley, and DOE's Jefferson Lab in a variety of research areas. More information about the department can be found at <https://www.cs.wm.edu>.

Apply Online at <http://jobs.wm.edu/postings/62139>

Yale University

Associate/Full Professor, Artificial Intelligence/Natural Language Processing

After *recent phenomenal growth* within the Yale Computer Science Department as part of the *Yale Science Strategy* and Yale's *landmark investments in engineering*, Yale School of Engineering and Applied Science invites applications for a tenured faculty position at the rank of Associate or Full Professor in Computer Science to start July 1, 2025. We seek candidates working in Artificial Intelligence (AI), with a particular focus on Natural Language Processing (NLP) and Large Language Models (LLMs) or developments adjacent or complementary to LLMs. Yale has recently *unveiled a substantial initiative* to bolster its leadership in AI, allocating significant funding to enhance Generative AI computing infrastructure, provide access to secure generative AI tools, and foster interdisciplinary collaboration. This strategic investment will solidify Yale's position at the forefront of AI research and innovation.

The successful candidate will lead a dynamic research program and play a pivotal role in shaping Yale's AI initiative, guiding research and teaching undergraduate/graduate courses in Computer Science, and fostering interdisciplinary collaborations within AI subfields and beyond. They should possess a stellar reputation in research and teaching, with an interest and ability to cultivate cross-disciplinary partnerships including but not limited to those within Engineering and Applied Science, as well as across the university with the *Wu Tsai Institute*, *Foundations of Data Science Institute*, Digital Humanities, School of Medicine, or other adjacent departments such as, Linguistics and Statistics & Data Science. Yale provides a stimulating intellectual environment rich in opportunities for groundbreaking research and impactful teaching.

Ph.D. or equivalent degree at time of hire with an extensive and impactful

publication record in top-tier NLP/ML/AI or related venues, a demonstrated track record of leadership, and making substantial contributions to the field.

Applications submitted by December 15, 2024 will be given full consideration. Applicants are asked to submit a cover letter, curriculum vitae, a teaching statement, a research statement, a service statement, and names of three references. For further information or inquiries about this position, please contact Alicia Vignola (alicia.vignola@yale.edu).

Please apply at: <https://apply.interfolio.com/154033>

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.

Multiple Faculty Positions Yeshiva University Katz School of Science and Health



Yeshiva University

The Department of Graduate Computer Science and Engineering (CSE) at Yeshiva University's Katz School of Science and Health invites applications for multiple faculty positions below:

- **Associate/Full Professor and Associate Chair 497795**
- **Assistant/Associate Professor of Computer Science 497825**

Rank and salary will be highly competitive and commensurate with qualifications and experience.

For more information and to submit an application, please visit <https://apptrkr.com/5801036>.

Salary Range: \$65,000-\$175,000

The newly established Graduate CSE Department includes programs in Computer Science, AI, Data Analytics and Visualization, and Cybersecurity, as well as the Katz School's Internet of Things (IoT) Lab and Security Operation Center (SOC). It focuses on core computer science and engineering areas, while also emphasizing interdisciplinary research, particularly in fields like medical AI. Our faculty are active in research and industry—with grants from NSF, NIH, DoT, other federal agencies and companies—and are equally committed to mentoring students. The Katz School of Science and Health is Yeshiva University's flagship school for STEM. We are research scientists, tech builders and patient-centered clinicians working on problems that matter.

More information about the Katz School can be found at <https://www.yu.edu/katz>.

Yeshiva University is an equal opportunity employer committed to hiring minorities, women, individuals with disabilities and protected veterans.