

COMPUTING RESEARCH NEWS



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

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CRN At-A-Glance

CRA Update: Keeping you in the know - July Board Meeting

On July 13-14, 2023, CRA hosted its Summer Board of Directors Meeting in Portland, Oregon. In this edition of the CRN, we provide an overview of the many discussions that took place among the Board and CRA staff, including on our work in Government Affairs, Board Committees and Working Groups, and much more.

See page 2 for details

NSF Seeks Nominations for Assistant Director of the Computer and Information Science and Engineering (CISE) Directorate

The National Science Foundation (NSF) has initiated a nationwide search for its next Assistant Director for Computer and Information Science and Engineering (CISE). Nominations, as well as any supporting information, may be sent to the AD/CISE Search Advisory Committee via email at cisesrch@nsf.gov.

See page 6 for details

CRA Committees Respond to NSF Request for Information on New Technology, Innovations, and Partnerships Directorate: Seek Additional Community Input

In April 2023, the National Science Foundation (NSF) published a Request for Information (RFI) to inform the development of a roadmap for the recently established Technology, Innovations, and Partnerships (TIP) Directorate. CRA submitted two responses: a joint CCC and Government Affairs Committee response and a CRA-Industry response. Now, we seek your feedback on our responses and TIP in general via [this form](#) by August 31.

See page 7 for details

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CRA Update: July Board Meeting

By CRA Executive Committee

On July 13-14, 2023, CRA hosted its Summer Board of Directors Meeting in Portland, Oregon.

To keep you in the know, below is a summary of the many discussions that took place amongst the 28 CRA Board members and 12 CRA staff who attended in person, and the 6 CRA Board members and 5 CRA staff who engaged via Zoom on one or both days of the Board Meeting.

Many thanks to our new Board Secretary, Katie Siek, for capturing the notes that helped provide this summary to the community.

The next CRA Board of Directors Meeting will be February 22-23, 2024, in Washington, D.C. Do you have suggestions for agenda topics? We want to hear them! Please share your thoughts via the [Google form here](#).

Introductions and Updates

Day 1 began with the Chair, Nancy Amato, introducing CRA's new Board members and the Executive Committee (term 2023-2025).

- **New CRA Board Members:** Sandhya Dwarkadas (University of Virginia), Kinnis Gosha (Morehouse College), William Gropp (University of Illinois at Urbana-Champaign & IEEE-CS representative), Samir Khuller (Northwestern University), Ming Lin (University of Maryland), Lydia Tapia (University of New Mexico), and Jing Xiao (Worcester Polytechnic Institute).
- **CRA Executive Committee:** Nancy Amato (Chair, re-elected for a new 2-year term), Ran Libeskind-Hadas (Vice Chair, previously secretary), James Allan (Treasurer, continues in the role), Katie Siek (Secretary), and Mary Hall (Appointed Member).

Tracy Camp, Executive Director and CEO, then introduced CRA's newest staff members via [a short video](#) and provided business updates, including that we just received the largest award in CRA's history: \$40 million over the next seven years for the [CSGrad4US Fellowship Program](#).

A few highlights from CRA's work since our last board meeting in February were also shared:

- CCC released a [mid-cycle update](#) to the National Robotics Roadmap
- CERP led a [Departmental BPC Plan Workshop](#) in Atlanta
- CRA-E has been working hard to launch [UR2PhD](#)
- CRA-I hosted a workshop on [computing research in industry](#) at ACM's FCRC



CRA's Executive Committee at the Summer Board Meeting in Portland, OR. (July 2023). Left to right: Ran Libeskind-Hadas (Vice Chair; Claremont McKenna College), Nancy Amato (Chair; University of Illinois Urbana-Champaign), Mary Hall (Appointed Member; University of Utah), Tracy Camp (Ex-officio Member, CRA Executive Director and CEO), James Allan (Treasurer; University of Massachusetts, Amherst). Not pictured: Katie Siek (Secretary; University of Indiana Bloomington).

CRA Update *(continued)*

- CRA-WP held two **Grad Cohort Workshops**
- Government Affairs went through the complexities of the recent budget agreement and how it will likely impact the budgets of the Federal research agencies, including NSF
- **CRA Leadership Academy** was held in Chicago in May
- CRA is collaborating with IEEE-CS and ACM on **LEVEL UP** to build consensus around a united vision of inclusive undergraduate computing education and will be leading workshops around the country

The Board also unanimously approved the minutes from the February meeting, the new **CRA-I bylaws**, and an updated CRA Conflict of Interest Policy.



The CRA Board of Directors with Executive Director and CEO Tracy Camp at the Summer Board Meeting in Portland, OR. (July 2023). Back row, left to right: William D. Gropp, James Allan, Alex Aiken, Daniel Lopresti, Jaime Teevan, Kinnis Gosha, Chris Ramming. Second from back row, left to right: Ran Libeskind-Hadas, Ben Zorn, Alexander Wolf, Mary Hall, Rachel Pottinger, Jing Xiao, Kate Larson. Middle Row, left to right: Gillian Hayes, Lori Pollock, Amanda Stent, Eugene Spafford, Eve Schooler, Raquel Hill, Kim Hazelwood, Lorrie Cranor, Sandhya Dwarkadas. Front row, left to right: Samir Khuller, Tracy Camp, Nancy Amato, Maria Gini, Ming Lin, Lydia Tapia. Not pictured: Alan Edelman, Stephanie Forrest, Diana Franklin, Yolanda Gil, Arvind Krishnamurthy, Eunice Santos, Katie Siek, Forrest Shull, Divesh Srivastava. Not pictured: Alan Edelman, Stephanie Forrest, Diana Franklin, Yolanda Gil, Arvind Krishnamurthy, Eunice Santos, Katie Siek, Forrest Shull, and Divesh Srivastava.

CRA Update (*continued*)

Government Affairs Briefing

Senior Policy Analyst Brian Mosley gave the Government Affairs update. Mosley reminded us that **FY23 was a good budget year**, particularly for NSF. However, **Fiscal Year 2024**, which begins on October 1st, is likely to be challenging for all the Federal research agencies that the computing research community cares about. This is because of the **budget agreement**, passed into law at the end of May, between President Biden and Speaker of the House of Representatives, Kevin McCarthy (R-CA). The agreement caps overall Federal spending for the next two years, among other provisions. However, because of the politics within the House Republican Caucus, and the fact that the Democratic Party controls the Senate, passing a final FY24 budget into law is looking difficult, and unlikely, at the moment.

The Government Affairs Committee is doing their best to track all of the computing initiatives on the Hill—especially AI. Given the expanding portfolio of Government Affairs issues, additional resources may be needed.

An item of concern to the Government Affairs Committee is NSF funded disinfo/misinfo research at the University of Washington, and other institutions, that has come under attack from the House Judiciary Committee. The GAC is monitoring the situation, consulting with the affected researchers, and reaching out to the field's allies throughout the government to understand what is happening and how to respond.

CRA is holding its **Congressional Visit Day (CVD)** on September 19th and 20th in Washington DC, the first in-person CVD since 2019. For volunteers, CRA will schedule meetings with Congressional staff, provide materials and training on having an effective meeting, and host a reception the night before the meetings. Participants will be responsible for their travel costs. Please contact Brian Mosley (bmoseley@cra.org) if you would like to participate.

Board Committees and Working Groups

On day 2, the CRA Board Working Groups provided updates on various initiatives:

- The **Leadership Academy** held a successful event in Chicago, focusing on leadership skills. Virtual cohorts are planned for the near future.
- The **Misconduct Issues Working Group** will continue this year and work on creating community commitments, organizing resources based on stakeholder type, and iterating on a survey to assess how safe people feel in their respective computing research community discipline.
- The **Socially Responsible Computing Working Group** reported on their efforts to assess ethics curricula for MS programs, conference policies related to human subjects and ethics, and how academia should recognize the multidisciplinary work that goes into computing, sustainability, and climate research.
- The **Career Engagement Working Group** summarized a written report that offers several suggestions on how CRA could increase engagement of community members throughout their career, e.g., via tailored support.
- The **Research Integrity Working Group** identified problems with conference peer review and made recommendations to improve publication processes.
- The **Governance Working Group** presented potential changes to the board's structure and responsibilities to better represent the computing research community. The Governance Committee is looking into hiring a consulting firm that works with nonprofits to consult on an ideal governance structure.

CRA Update *(continued)*

Breakout Discussions

The group then separated into breakout sessions to discuss the 2024 CRA Conference at Snowbird and possible new or updated CRA best practices documents, including Research Collaborations with Minoritized Groups, Evaluating Computing Researchers, Teaching and Teaching Track Faculty, and Multidisciplinary Research.

Other Discussions

- **CRA and the CRA Mission** - The board discussed CRA, the CRA mission, membership diversity, industry representation, and engaging with different stakeholders.
- **Treasurer's Update** - CRA has had a larger than desired delay in processing reimbursements and other financial documents, mainly due to being short staffed. CRA has recently hired new staff to rectify this undesired situation.

Farewells and Engagement

At the close of our meeting, we thanked two members who have recently retired from the CRA Board:

- Dez Song (Texas A&M University)
- Leila De Florian (University of Maryland and IEEE-CS Representative)

We then finished the meeting discussing whether CRA Board members should reach out to members to get feedback; graduate student training and the impact of unionization; the CV database project; a CRA membership drive; and the status of CRA's next flagship conference, which is being planned for the week of July 22, 2024 in Snowbird, Utah. Save the date!

We want your input!

Do you have suggestions for agenda topics for our next Board Meeting? We want to hear them! Please share your thoughts via the [Google form here](#).



Brian Blake and Juan Gilbert take part in a Fireside Chat at the CRA Leadership Academy in Chicago, IL.

NSF Seeks Nominations for Assistant Director of the Computer and Information Science and Engineering (CISE) Directorate



By Matt Hazenbush, Director of Communications

The National Science Foundation (NSF) has initiated a nationwide search for its next Assistant Director for Computer and Information Science and Engineering (CISE). A key position within NSF's senior management and policy team, the position provides leadership and direction for CISE's numerous programs and initiatives, as well as oversight of a staff of approximately 137 employees and an annual budget of more than \$1 billion.

"The role of the CISE Assistant Director is not just about overseeing NSF staff and a \$1 billion budget, it is also about empowering minds, nurturing curiosity, and embracing innovation," said Tracy Camp, Executive Director and CEO of CRA. "People who serve in this role have a profound responsibility that shapes the future of knowledge in computing fields."

Nominations, as well as any supporting information, may be sent to the AD/CISE Search Advisory Committee via email at cisesrch@nsf.gov.

The position

The Assistant Director leads the CISE Directorate, which "aims to help the U.S. uphold a position of world leadership in computing, communications, and information science and engineering."

One of eight NSF directorates, the CISE directorate includes the Division of Computing and Communication Foundations (CCF), the Division of Computer and Network Systems (CNS), and the Division of Information and Intelligent Systems (IIS), as well as investments in advanced cyberinfrastructure through the Office of Advanced Cyberinfrastructure (OAC).



The position has been held with distinction by **Dr. Margaret Martonosi** since February 2020. While in the role, she has been on leave from Princeton University, where she is the Hugh Trumbull Adams '35 Professor of Computer Science. A former CRA Board Member and CRA-WP Co-chair, Martonosi is a member of the National Academy of Engineering and the American Academy of Arts and Sciences, as well as a Fellow of the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronics Engineers (IEEE).

Search criteria

The search committee will be chaired by **Dr. Jim Kurose**, Distinguished University Professor at the University of Massachusetts Amherst. Also a former CRA Board Member, Dr. Kurose held the Assistant Director for CISE position from January 2015 to September 2019.



NSF seeks a candidate "with outstanding leadership abilities; a deep sense of scholarship; a grasp of the issues facing the computer and information sciences in the areas of education and research, as well as in advanced cyberinfrastructure; and a commitment to the goals and strategies of the National Science Foundation."

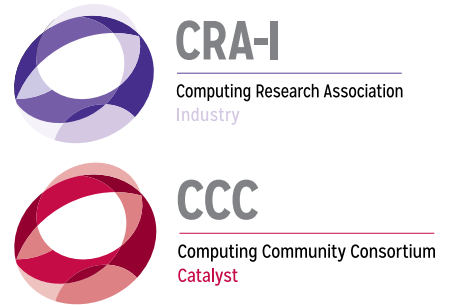
Nominations of individuals from any sector, including academia, industry, and government, are welcomed.

Per the review criteria, the search committee will evaluate candidates by their demonstrated evidence of:

- Strategic vision
- Leadership, direction, and representation
- Commitment
- Credibility within research and education community

Submit your nominations to cisesrch@nsf.gov.

CRA Committees Respond to NSF Request for Information on New Technology, Innovations, and Partnerships Directorate: Seek Additional Community Input



By Catherine Gill, Program Associate, CCC

In April 2023, the [National Science Foundation \(NSF\)](#) published a [Request for Information \(RFI\)](#) to inform the development of a roadmap for the recently established Technology, Innovations, and Partnerships (TIP) Directorate. This roadmap will help guide TIP's investments in translational use-inspired research to maintain US competitiveness in scientific research.

The [Computing Research Association \(CRA\)](#) submitted two responses: a joint response from the [Computing Community Consortium \(CCC\)](#) and [CRA's Government Affairs Committee \(GAC\)](#) and another from [CRA-Industry \(CRA-I\)](#). The joint CCC/GAC response can be [viewed here](#) and the CRA-I response can be [viewed here](#).

In the joint CCC and GAC response, the authors comment on workforce development, addressing societal challenges, and general suggestions for the framework of the new TIP Directorate. For workforce development, they recommend solutions to improve AI literacy amongst the US populace and guidance for developing AI applications which are robust and ethically conscious. The authors also recommend that TIP partner with other government organizations during the proposal review and R&D process for funded projects, since these organizations, such as the Department of Defense and the National Institute of Health, have experience with establishing similar efforts, and may have invaluable insight to provide. In addition to involving other government agencies, the committees advise that TIP commit to certain research areas in the long term, to ensure that the research conducted evolves into real world deliverables which will benefit the nation. Finally, the CCC and GAC suggest that the kind of accelerated, use-inspired research that TIP hopes to fund will require more resources than a typical NSF funded project, because of the accelerated timeline. These projects will require expert researchers working on these projects fulltime, and will need a support infrastructure of project managers, business developers, engineers, marketing experts, and many others to transfer their ideas to real world solutions.

In the CRA-I response, the authors address many similar points, such as broadening participation of underrepresented groups in these funded programs and developing curricula to prepare the next generation of workers for a quickly changing job market. CRA-I highlighted some additional points that complement the CCC and GAC response, including advising that TIP partner with start-ups and "pre-startup" companies, especially those focused on emergent areas of research to consider novel solutions which may not be focused on by large companies. They also advise TIP to consider functioning differently than a typical NSF directorate. The authors suggest that TIP take advantage of its breadth and strive to achieve those priorities which fall through the gaps between other agencies. Acting as a coordinator across these agencies could allow TIP to accomplish tasks of national priority without duplicating efforts of other agencies.

CRA and the computing research community are very excited to watch the TIP Directorate become a major enabler of translational research in the United States, and we are thrilled to have had the opportunity to share input for the Directorate's Roadmap.

We are interested in hearing your feedback on our RFI responses and your thoughts on TIP in general. If you have any comments or feedback on these responses, please [share them here](#). All of the feedback we receive will be treated anonymously. We will summarize the feedback we receive and post an anonymized addendum to our RFI responses to the CRA website. The deadline to submit feedback is **August 31st**.

Call for White Papers for the 2024 Robotics Roadmap

By Maddy Hunter, Program Associate, CCC

The US National Robotics Roadmap was first created 14 years ago. It has since been used by government agencies, universities and companies as a reference about where robotics is going. The first roadmap was published 2009, then revised 2013, 2016 and 2020. The objective is to publish the 5th version of the roadmap by spring 2024. Due to major changes in the world and the robotics landscape, the CCC published a **Mid-Cycle Update to the US National Robotics Roadmap** this past April.

The objective is to engage about 150–200 people from academia and industry to ensure that the roadmap is representative of the community's view of where robotics is going. The roadmap will cover manufacturing, service, medical, first-responder, and space robotics. The revised roadmap will also include considerations related to ethics and workforce. It will cover emerging applications, the key challenges to progress, and considerations of needed R&D to enable progress.

Three 1+ day workshops will be organized for community input to the roadmap. The workshops will take place:

- Sept 8 in Philadelphia (organized with Vijay Kumar)
- Nov 30 in Austin (organized with Joydeep Biswas and Peter Stone)
- Dec 6 in Phoenix (organized with Thomas Sugar)

Participation in the workshop will be by invitation only. For selection of participants, we ask people to submit a max 1.5 page white paper/position statement. What are key use-cases for robotics in a 5-10 year perspective, what are key limitations, and what R&D is needed in a 5-10 year perspective? The white paper can address all three aspects or focus on one of them. The white paper must include:

- Name, Affiliation, Email address
- A (max) 1.5-page position statement

Please submit the white paper as regular text or as a PDF file. Too long white papers will be ignored. Position papers that only focus on current research are not appropriate. A white paper should present a future vision and not merely discuss state of the art.

White papers should be submitted by end of the day August 15 to roadmapping@robotics-vo.org. Late submissions may not be considered. We will evaluate submitted white papers by 18 August and select people for the workshops by 19 August.

The workshop reports will be used as the basis for a synthesis of a new roadmap. The nominal timeline is:

- August 2023 – Deadline for white papers
- Sep – Dec 2023 – Workshops
- Dec 2023 – Workshops reports finalized
- Jan 2024 – Synthesis meeting @ UC San Diego
- Feb 2024 – Publish draft roadmap for community feedback
- Apr 2024 – Finalize roadmap with graphics design, ...
- May 2024 – Publish roadmap

The roadmap update is supported by the Computing Community Consortium (CCC).

If you have any questions about the process, the scope, etc please send email to Henrik I. Christensen – hichristensen@ucsd.edu.

CCC Council Chair Emerita, Liz Bradley, Featured in Recent SpringerNature Podcast on Athlete-Scientists



CCC

Computing Community Consortium
Catalyst

By Maddy Hunter, Program Associate, CCC

CCC Council Chair Emerita, **Liz Bradley**, was interviewed last month for a [SpringerNature's podcast segment](#) on athlete-scientists. As an Olympian, mathematician and Professor of Computer Science at University of Colorado Boulder, Bradley discusses the impact of athletics on personal development, the importance of discipline, and strategies for balancing sports and intellectual pursuits.

Bradley first fell in love with the sport of rugby and went on to play on the New England Select team around 1979. She ended up switching to rowing due to a series of concussions that left her unable to play rugby. As a rower, she competed in the World Rowing Championships in 1986 and 1987, finishing fourth and fifth. At the 1988 Olympic Games, her team placed fifth in the women's coxed four event. Bradley continues to stay active by biking daily and engaging in downhill skiing.



Liz Bradley (pictured second from the right) rowing in the 1988 Olympic Games

Reflecting on her experiences, Bradley highlighted the traits necessary to succeed in both science and sports, including persistence, stamina, and discipline. She stressed that discipline helps individuals focus and concentrate, improving both physical and mental performance. Moreover, she emphasized the symbiotic relationship between the body and the brain, emphasizing the importance of training the entire organism for enhanced concentration. Among all these benefits one of the greatest traits cultivated by engaging in sports is time management.

Bradley has a long history of balancing sports and academics. She was on the rowing team as an undergraduate at MIT and then as a graduate student at MIT she was on the National Rowing Team. She recounts as a member of the National team, she had to train twice a day for at least a couple hours each time while getting her degrees. Bradley mentions participating in sports improves time management skills by compelling individuals to prioritize their tasks effectively due to the structured nature of the training sessions. This skill extends to other areas of life, allowing athletes to manage their time more efficiently and meet deadlines.

Bradley was involved in athletics oversight at the University of Colorado. As both a full tenured Professor and a former Olympic athlete she was the perfect mentor for students simultaneously pursuing school and a competitive athletic career. When asked advice for students looking to engage in both, Bradley said that while she certainly encourages it, she does warn people that they are going to have to do a lot of very careful prioritization and task juggling. However, Bradley also noted the importance of maintaining whitespace in one's schedule to foster creativity and allow for spontaneous ideas.

Drawing from her experiences as a mentee and mentor, Bradley shared her approach to encouraging students to maintain whitespace in their schedules by requiring her students to maintain physical hardcopy notebooks. This approach helps students view their work holistically and engage in non-linear thinking. Bradley highlighted the benefits of using a physical notebook for note-taking and reflection. The tangible nature of a notebook allows for activities not easily captured on computers or tablets, such as proprioception and drawing.

Tune into the [full podcast interview](#) to learn more about Bradley's impressive feats and advice on balancing two successful careers in academia and sports.

NSF Accepting Nominations for the 2023 Alan T. Waterman Award

By Maddy Hunter, Program Associate, CCC

The National Science Foundation (NSF) is now accepting nominations for the **2023 Alan T. Waterman Award**. NSF's highest honor for early-career researchers, the annual award recognizes exceptional individual achievement in any field of science or engineering supported by NSF.

"The Alan T. Waterman Award plays a crucial role in supporting and motivating the next generation of innovators, which is of paramount importance in the computing discipline since computing permeates nearly every aspect of our lives," said Tracy Camp, Executive Director and CEO of CRA.



In addition to a medal, the awardee receives a grant of \$1,000,000 over five years for scientific research at the institution of the recipient's choice.

Complete nomination packages are due by **September 15, 2023** and may be submitted via the [nomination portal](#) on the NSF Waterman website.

Selection criteria and eligibility

Nominees should have demonstrated "exceptional individual achievements in scientific or engineering research of sufficient quality, originality, innovation and significant impact on the field to place them at the forefront of their peers." NSF seeks nominations from a range of institution types, and that represent the diversity of the nation.

In order to be eligible, a candidate must be a U.S. citizen or permanent resident, 40 years of age or younger, and not more than 10 years beyond receipt of the Ph.D. degree by December 31st of the year in which they are nominated.

Past recipients

The award was established by Congress in August 1975 to mark the 25th Anniversary of the NSF and to honor its first Director.

The 2022 winners were Dr. **Daniel B. Larremore** (University of Colorado Boulder), for using models to curb the spread and impact of the Covid-19; Dr. **Lara A. Thompson**, (University of the District of Columbia), for pioneering innovations in rehabilitation engineering; and Dr. **Jessica E. Tierney** (University of Arizona), for advances in the reconstruction of past climate change and furthering the understanding of future climate change.

Dr. Larremore marks the fifth Computer Scientist to receive the award since it began in 1976. Other recent winners from CS include:

Mark Braverman, Princeton University, with NSF Director France Córdova, who was recognized for his manifold contributions to theoretical computer science and mathematics in 2019.

Mung Chiang, Arthur LeGrand Doty Professor of Electrical Engineering at Princeton University, who was recognized for his fundamental contributions to the analysis, design, and performance optimization of wireless networks in 2013.

Scott J. Aaronson, Associate Professor of Electrical Engineering and Computer Science at MIT, who was recognized for numerous fundamental contributions to quantum computing and theoretical computer science and for popularization of quantum information science in 2012.

Alan T. Waterman Award *(continued)*

Robert J. Wood, Charles River Professor of Engineering and Applied Sciences at Harvard University, who was recognized for his development of multi-scale, multi-material fabrication methods for automated monolithic assembly of high performance, innovative robots in 2012.

“Early-career researchers are vital to future visions for computing research,” said Ann Schwartz, Director of CRA’s Computing Community Consortium (CCC). “Nominating these researchers is a great way to ensure advancements in computing are recognized and continue.”

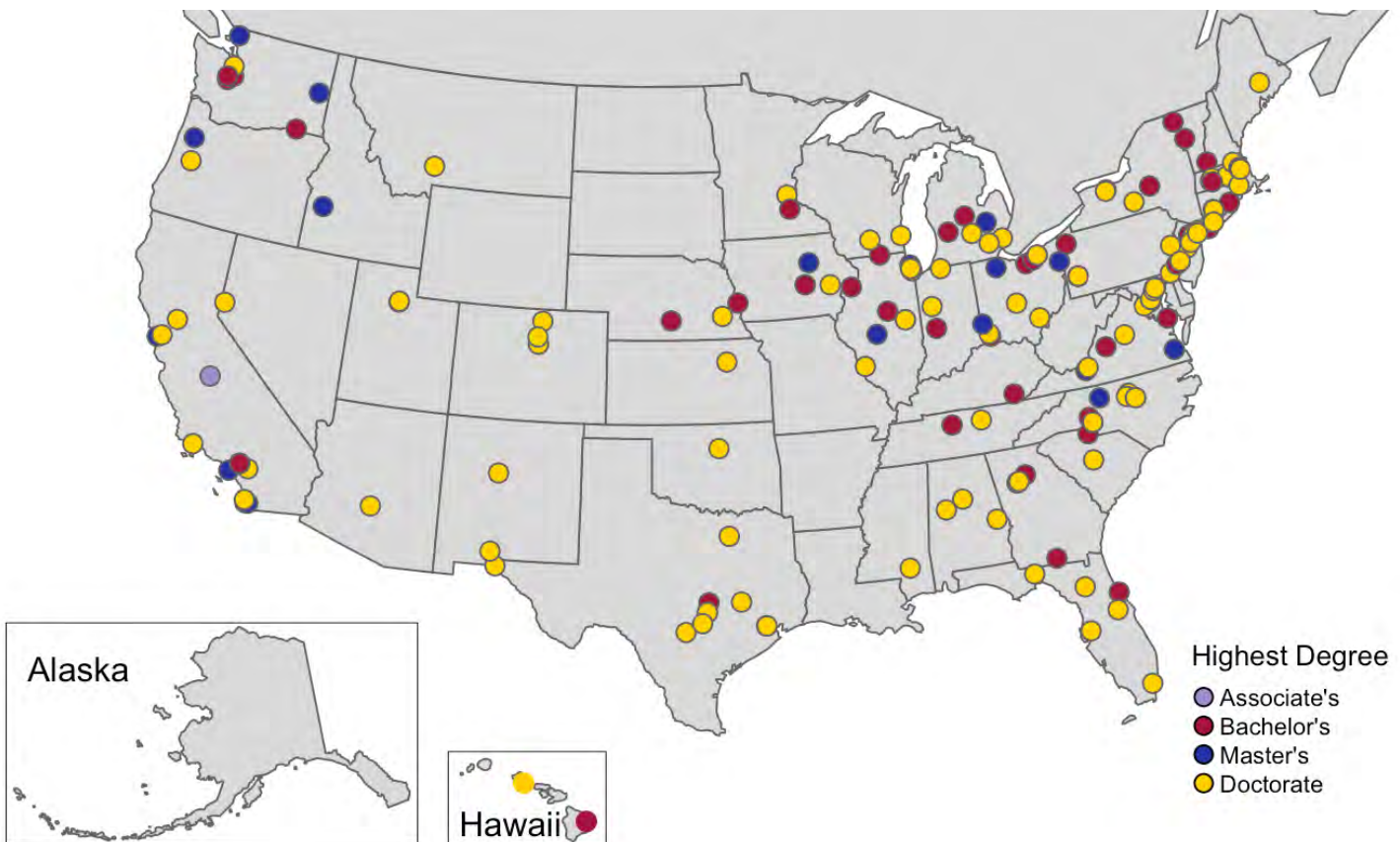
Nomination webinar

NSF will be hosting an [informational webinar](#) on submitting Waterman Award nominations on Thursday, August 10 at 2 pm ET. Visit the [NSF Waterman website](#) for additional details on the award’s history, the nomination procedure, and the selection criteria.

More than 170 Institutions Participated in Data Buddies Survey 2022



By Evelyn Yarzebinksi, Manager, CERP



A map of the US and Canada showing the locations of the 171 institutions that participated in Data Buddies Survey 2022.



Data Buddies Survey (*continued*)

The **Data Buddies Project** is a long-standing project of **Center for Evaluating the Research Pipeline** (CERP). This project focuses on the experiences of those in the computing community, such as understanding student retention and attrition, as well as factors that may support successful graduate school or other professional experiences. CERP collects this data via the annual distribution of the Data Buddies Survey (DBS). During DBS 2022, which ran from November 2022 to February 2023, 182 units at 171 institutions were active¹ and could distribute survey links to their students. CERP additionally directly distributed DBS to cohorts of prior respondents in order to gather longitudinal information. These institutions, ranging from Associate's-granting to Doctoral-granting, represent 43 states in the US and 2 provinces in Canada. The previous visualization shows the geographic range of these institutions.

Following the closure of the survey in February 2023, CERP has been cleaning and analyzing the data, as well as preparing reports for each participating department. CERP additionally produced a descriptive report for DBS 2022, which shows aggregated results across all respondents. The annual report is available for public viewing at this link: https://datavisualization.cra.org/DBS_annualReport_2022.html

If your academic unit is not currently participating in DBS, consider signing up today! There is no cost to participate. Visit this link for more information: <https://cra.org/cerp/volunteer/>.

Notes:

[1] The status of "active" indicates that the academic unit receives communication from CERP regarding survey link distribution. Not all academic units choose to distribute the survey link every year; for example, some units choose to distribute every other year.

This analysis is brought to you by the CRA's Center for Evaluating the Research Pipeline (CERP). CERP provides social science research and comparative evaluation for the computing community. Subscribe to the CERP newsletter [here](#). Check out CERP's activities and find out how to engage on [CERP's website](#).

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Building a More Inclusive Future: Highlights from the CRA Accessible for All Report



CRA-I

Computing Research Association
Industry

By Helen Wright, Manager, CRA-Industry

In a rapidly digitizing world, ensuring accessibility for all individuals is crucial.

In February 2023, the [Computing Research Association \(CRA\)](#) held a workshop on [Accessible Technology for All](#). The workshop was co-hosted by [CRA-Industry \(CRA-I\)](#), [Computing Community Consortium \(CCC\)](#), and [CRA-Widening Participation \(CRA-WP\)](#) and led by a [team of organizers](#) from the various CRA committees including Jeanine Cooke (Sandia National Labs / CRA-WP), Shaun Kane (Google), Chris Ramming (VMware / CRA-I), Katie Siek (Indiana University / CCC), and Divesh Srivastava (AT&T / CRA-I). This workshop brought together over 40 participants, 20 being remote, from academia, industry, government, and disability advocacy groups to identify the accessibility challenges and opportunities of the present moment.

CRA is pleased to announce that [the workshop report “Accessible Technology for All”](#) has been published. The report underscores the need to address barriers faced by people with disabilities and promote accessibility across various domains.

The six calls to action include:

1. Increase funding opportunities for underserved accessibility needs

Funding bodies should create additional opportunities for research subjects that were identified as underserved.

2. Promote accessibility goals in all funded research, not just accessibility research

Researchers who do not specifically focus on accessibility work should be provided with incentives and support to promote positive accessibility outcomes in their research.

3. Increase efforts to improve representation of people with disabilities in technical and research positions

Increasing representation from people with disabilities in technology and research requires support throughout the education and pipeline.

4. Encourage industry-university collaborations (increase accessibility in industry)

Solving accessibility problems often benefits from collaborations between academia and industry.

5. Consider ways to increase awareness of disability-related policy and law

The legal and policy framework for digital accessibility has a huge impact on when and if technologies and content are made or later become accessible.

6. Take a proactive approach to accessibility issues in machine learning

As machine learning becomes pervasive in the technologies that we use, new accessibility challenges will appear. It is necessary to understand and remediate accessibility problems early and often.

This report is a timely and significant contribution to the pursuit of inclusivity in technology by the research community. By addressing the challenges, promoting collaboration and education, advancing research and development, and advocating for effective policies and standardization, we can pave the way for a more accessible and inclusive future. Embracing these calls to action will not only benefit individuals with disabilities but also enhance the overall user experience and foster innovation in the technology sector.

See [the full report here to learn more](#).



Congressional Hearing Asks Tough & Important Questions About Artificial Intelligence



by *Fatima Morera Lohr, 2023 Eban Tisdale Fellow*

On Thursday, June 22 the House Committee on Science, Space and Technology held a hearing on **Artificial Intelligence: Advancing Innovation Towards the National Interest** to discuss different ways the federal government can utilize Artificial Intelligence (AI) in a, **“trustworthy and beneficial manner for all Americans.”** The committee heard from several witnesses from government, academia, and industry about the risks and benefits of the technology and, “how to promote innovation, establish proper standards, and build the domestic AI workforce.”

In his **opening statement**, Science Committee Chairman **Frank Lucas (R-OK)** highlighted that, even though the United States is in the lead in AI research, the gap with other countries is narrowing. In particular, he called attention to a Stanford University report which, “ranked universities by the number of A.I. papers they published,” and, “found that nine of the top ten universities were based in China;” only one U.S. school was on the list, at number 10 (MIT). At the same time, Chairman Lucas made clear that advances in AI do not have to come at the expense of, “safety, security, fairness, or transparency.” At several points during the hearing, Lucas, other committee members, and the witnesses discussed “embedding our (ie: American) values in the technology will be key and have long last[ing] impacts.” Finally, Chairman Lucas talked about the national interest need to ensure the country has a, “robust innovation pipeline that supports fundamental research, all the way through to real-world applications,” and that, “the academic community, the private sector, and the open-source community,” need, “to help us figure out how to shape the future of this technology.”

Following the chairman’s remarks, Ranking Member **Zoe Lofgren’s (D-CA) opening statement** supported Lucas’ view that the federal government needs to, “strike a balance that allows for innovation and ensures the U.S. maintains leadership.” She continued that, “at a minimum, we need to be investing in the research and workforce to help us develop the tools we will need going forward.” Rep. Lofgren finished her opening statement by listing several challenges that she wanted to tackle in the hearing: intersection of AI and intellectual property, research infrastructure and workforce challenges, and what the Science Committee should focus on in this field.

The witnesses represented views from government, industry, and the academic research communities, and the panelists shared how each area is tackling their unique challenges with adapting and adopting AI. **Dr. Jason Matheny**, President and CEO of RAND Corporation, who has experience at OSTP and the National Security Council in the Obama Administration, provided a view on government actions. **Dr. Shahin Farshchi**, General Partner at Lux Capital gave an investor perspective from industry. **Clement Delangue**, Co-founder and CEO of Hugging Face, had a different industry outlook, being an entrepreneurial immigrant to the United States. **Dr. Rumman Chowdhury**, Responsible AI Fellow at Harvard University, presented the researcher’s perspective. Finally, **Dr. Dewey Murdick**, Executive Director of the Center for Security and Emerging Technology, provided a think tank view on the matter. They reiterated the need for the federal government to continue supporting research in AI in order for the country to continue being the world leaders, while simultaneously reaping the benefits and mitigating the risk of the technology.

All witnesses shared the view that the country needs to become more comfortable with the idea that AI is here to stay. There was also discussion about the positive impact technology can have for the country, when used correctly. Matheny spoke about the role the federal government can play in, “advanc[ing] AI in a beneficial and trustworthy manner for all Americans,” and outlined the different actions the federal government could take in order to make AI as trustworthy as possible. The need to provide researchers with resources was also a common theme, echoed by both Farshchi and Matheny, particularly if the U.S. wants to stay in front of China.

Delangue commented on the need for open systems since, “open systems foster democratic governance and increased access, especially to researchers, and can help to solve critical security concerns by enabling and empowering safety research.” He also commented on how not all the data is available even by open research organizations. On the other hand, Chowdhury spoke about the duality of AI, how it can be both useful and harmful; “while it has immense capability, like many other high-potential technologies,

Artificial Intelligence *(continued)*

it can also be used for harm by both malicious and well-intentioned actors.” Murdick agreed with Chowdhury regarding the need to recognize both sides of technology, saying “we need to learn when to trust our AI teammates and when to question or ignore them.”

During the hearing, Chairman Lucas made the point that, “these advances do not have to come at the expense of safety, security, fairness, or transparency,” and that no one, including the nation as a whole, should have to compromise their values to reap the benefits of AI technology. This hearing is likely to be just one of many that the Science Committee will hold concerning artificial intelligence. And, at present, Congress is full of ideas, proposals, and legislative ideas on how to handle AI. Case in point, [the day before the hearing](#), Senate Majority Leader Schumer (D-NY) announced his “[SAFE Innovation Framework](#)” for potentially regulating the technology. This is far from the last word on the matter from Congress, so the computing research community will need to stay involved and be aware of matters. CRA will continue to monitor this issue and report on any new developments.

NSF Releases Guidelines for Research Security Analytics Practices

by Brian Mosley, Associate Director, Government Affairs

At the end of June the National Science Foundation released their long-anticipated [guidelines covering their internal guidance for research security data-related practices](#). In their announcement, NSF said these, “guidelines are one of several NSF activities demonstrating that the principles of open science can align with research security standards.” The guidelines were released on the website of the [Office of Chief of Research Security Strategy and Policy \(OCRSSP\)](#).

Research Security, defined by NSF as, “safeguarding of the U.S. enterprise against the misappropriation of research and development,” has become an issue of importance in government circles, particularly in Congress, over the past few years. Several parts of the Federal Government have taken steps to counter threats, and perceived threats, from foreign adversaries, with China, Russia, North Korea, and Iran being the main countries of concern. There are several examples of these efforts, such as the Department of Justice now shuttered “[China Initiative](#),” several pieces of legislation, such as the [Chips and Science Act](#), passed by Congress directing Federal research agencies to develop policies and procedures to combat these threats; and in the closing days of the Trump Administration, [National Security Presidential Memorandum 33 \(NSPM-33\)](#), directing OSTP to develop guidance to clear up conflicts of interest, so research agencies know where researchers are receiving support, while also providing a framework of penalties for deliberate noncompliance or evasion of these requirements. Much of these efforts are directed at the Chinese central government, who is seen as both the main geopolitical rival to the United States and a country engaged in exfiltration of US taxpayer funded research efforts and findings.

Hence NSF’s research security announcement. The guidelines prohibit NSF program officers from engaging with principal investigators (PIs) directly on any research security matters. Instead, NSF staff are required to forward any concerns to the OCRSSP, who will look into the discrepancies. As well, OCRSSP will not engage directly with PIs; instead, they will engage with the PI’s institution (Section 6.2, page 10). Within the document, NSF makes a point that OCRSSP’s use of these analytics are designed only to identify, “potential compliance inconsistencies,” and are not actual “investigations.” Investigations are considered part of the Office of Inspector General’s (OIG) mission and are more serious. There is particular emphasis that “human oversight” (Section 10, page 15) is present at all levels of analysis and must be well documented; “no information on individuals may be reported and no adverse

Guidelines for Research Security Analytics Practices *(continued)*

action may be taken based solely on a potential inconsistency without human verification of the matching criteria.” Finally, in Section 8 (page 12), which covers permissible and prohibited practices, OCRSSP staff are not allowed to make inquiries that are, “explicitly or implicitly designed to return the identities of individuals of a specific national origin or racial identity.” There are several examples included in Section 8 on prohibited practices.

It appears that NSF has struck a careful balance with their guidelines. It restricts activities between NSF and the institutions, sparing PIs from dealing with NSF directly or with a heavy-handed OIG investigation, while being very clear on permissible and prohibited practices by OCRSSP and NSF program staff. The prohibition on broad racial, ethnic, or citizenship searches should satisfy a key concern about the agency’s research security efforts (ie: that they could easily be fueled by racial or ethnic profiling), while also keeping humans in the loop for oversight. In practice, how the research community responds to these new practices will depend on how OCRSSP staff conduct themselves in clearing up the discrepancies they find. But it appears, at the moment, that the right guardrails are in place. CRA will continue to monitor the situation and keep tabs on how the other research agencies roll out their research security plans in the near future.

House Defense Policy Legislation Contains Proposed Onerous Reporting Requirements for Scientists Performing Defense Research

by Brian Mosley, Associate Director, Government Affairs

In the middle of July the House of Representatives passed their version of the [National Defense Authorization Act \(NDAA\)](#). Also known as the defense policy bill, this is yearly, must-pass legislation that covers policy and spending requirements at the Defense Department. The bill included **a number of controversial amendments around social issues** included to garner the support of harder line members of the House Republican caucus. The bill also includes an amendment creating an onerous new reporting requirement for anyone engaging in research with the DOD.

Proposed by Rep. Jim Banks (R-IN), **the amendment** would require any researcher (which is defined broadly and could include undergrads) taking part in DOD funded research to disclose, on a publicly accessible federal government website:

- their date and place of birth, nationality, and immigration status if a foreign national;
- education from undergrad onwards;
- professional and employment background;
- all research and publications (publications is defined very broadly and includes personal writings);
- professional society affiliations, both US and foreign; and
- past or current involvement in a foreign talent recruitment program.

PIs would have to disclose this information at the time of application and within 90 days of a new person coming onto the project. Additionally, each PI would yearly need to disclose, “any direct, indirect, formal, or informal collaboration that...either independently or as the lead of the covered program, [the PI] enters into with any third party persons or entities, including the identity and nationality of the third party collaborator, the nature of the collaboration (whether direct, indirect, formal or informal) and the terms and conditions of such collaboration.” Banks’ rationale for such heavy-handed rules is to respond to and stop the Chinese government’s

House Defense Policy Legislation (*continued*)

attempts to exfiltrate the results of federally funded research. Beyond the data disclosure, there is no other obvious mechanism included to mitigate any potential research security risks.

Science Magazine covered the subject and quoted Alex Aiken, of Stanford University and Vice Chair of the CRA Government Affairs Committee. “Yes, research security is a real issue,” says Alex Aiken, “But this seems excessive. What purpose would it serve? And why should it all be made public?”

In addition to the burden, there are concerns that such a reporting requirement could give away information on the state of the federal defense research system. As Dr. Aiken said, “Public disclosure means foreign governments can use the information, too... And I’m sure those countries would learn a great deal about the network of connections of the U.S. research community from these disclosures.”

CRA is highly concerned about this language being included in the NDAA. Research security is a serious issue, and agencies like DOD and NSF have been working with the research community to identify ways to mitigate those risks without damaging the collaborative research ecosystem that has been so immensely productive for the nation. It’s not clear that language like this will strengthen those efforts – instead it appears to add a remarkably onerous burden on all researchers working on Defense problems without providing any mechanism for actually mitigating risks. CRA plans to work with our friends and allies, both in Congress and the policy community, to lay out the case that this language is likely to cause more harm than good to the nation’s defense research community.

The defense policy bill passed the full House of Representatives last week. We now will wait to see the Senate version of the NDAA; it is expected to be made public soon with an eye to passing through the chamber next week. While the Senate version is unlikely to contain similar language – and our understanding is that the DOD has also indicated it has issues with it as well – ultimately both chambers will have to agree upon the provisions that will end up in the final bill, and the Banks language will be a part of that negotiation. CRA will continue to track this matter and will report on any new developments.

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

Brandeis University

Chair of the Department of Computer Science

The School of Arts and Science at Brandeis University invites nominations and applications for the Chair of the Department of Computer Science. The Department seeks a dynamic research leader and innovative educator with creative vision and an outstanding record of achievement to take a department moving in a new direction to the top ranks. The successful candidate will have an exemplary record of leadership and scholarly achievements.

Learn more at: <https://academicjobsonline.org/ajo/jobs/24962>

Bryn Mawr College

Department of Computer Science

Visiting Instructor or Visiting Assistant Professor of Computer Science

The *Department of Computer Science* at Bryn Mawr College invites applications for a full-time position in Computer Science starting August 2023 for an appointment of up to three years. An advanced degree (completed Ph.D. preferred, but ABD or Master's considered) in Computer Science or a closely related field is required. For more details on the position, please visit the Interfolio link below.

To apply, submit a cover letter; curriculum vitae; sample syllabi of courses able to offer and course evaluations from past courses (if

available); together with two letters of recommendation via Interfolio at: <https://apply.interfolio.com/121548>. Review of applications will begin immediately and continue until position is filled.

California Polytechnic State University

Full-Time Lecturer and Post-Doctoral Teaching/Research Scholar AY

The Computer Science and Software Engineering Department in the College of Engineering at California Polytechnic State University, San Luis Obispo, is seeking two (2) full-time lecturer positions during the 2023-2024 academic year. And (1) full-time, Post-Doctoral Teaching/Research Scholar appointment as a Full-Time Lecturer.

Requisition Number: 525487

<https://jobs.calpoly.edu/en-us/job/525487/fulltime-lecturer-ay-computer-science-and-software-engineering>

Requisition Number: 528027

<https://jobs.calpoly.edu/en-us/job/528027/postdoctoral-teachingresearch-scholarcomputer-science-software-engineering-ay-2324>

Carnegie Mellon University

School of Computer Science

Faculty Hiring All Tracks

The School of Computer Science at Carnegie Mellon pushes the boundaries of computer science research and education.

The School houses seven departments: Computational Biology, Computer Science, Human-Computer Interaction, Software and Societal Systems, Language Technologies, Machine Learning and Robotics.

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

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

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

We will begin accepting applications beginning August 2, 2023. To ensure full consideration of your application, please submit all materials no later than December 13, 2023. In your cover letter, please indicate clearly the department(s) you are applying to. You can learn more about our hiring plans and application instructions by visiting <https://scsdean.cs.cmu.edu/faculty-hiring>. IMPORTANT: At this site you will find guidance regarding specific timelines for review of applications in each of our departments.

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

Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment

individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

Carnegie Mellon University

School of Computer Science

Faculty Hiring Teaching Track

The School of Computer Science (SCS) at Carnegie Mellon University is one of the world's leading organizations for computer science academic research and education. The college houses seven departments: Computational Biology, Computer Science, Human-Computer Interaction, Software and Societal Systems, Language Technologies, Machine Learning, and Robotics. Carnegie Mellon University is located in Pittsburgh, PA, USA, a vibrant yet affordable city known especially for its opportunities and resources in medicine, technology, the arts, and higher education.

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

Candidates for teaching track appointments should have strong interest and experience in graduate and undergraduate education, a Ph.D. in Computer Science or a relevant field, and outstanding academic credentials. Some programs will consider applicants with an MS and significant experience. The position involves teaching classes in their general area of expertise, ranging

from large undergraduate lecture courses to small studio courses depending on departmental needs. We encourage candidates looking to gain teaching experience to explore the Postdoctoral Teaching Fellow programs available in SCS <https://apply.interfolio.com/124667>.

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

Candidates with a commitment to building an equitable and diverse scholarly community are particularly encouraged to apply. We encourage applications from candidates who have a demonstrated track record in mentoring and nurturing students from groups traditionally underrepresented in computer science.

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

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

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College of the Holy Cross

Visiting Full-Time or Part-Time Faculty Position in Computer Science

The Department of Mathematics and Computer Science at the College of the Holy Cross invites applications for a full-time or part-time visiting faculty position in computer science for 2023-2024. While a Ph.D. in computer science or closely related field is preferred, candidates with a MS, ABD, or industry experience are strongly encouraged to apply.

Please direct questions to Kevin Walsh:
kwalsh@holycross.edu

Review of applications will begin immediately. For more information and to apply, visit:
<https://apply.interfolio.com/125611>

The College is an Equal Employment Opportunity Employer and complies with all Federal and Massachusetts laws concerning equal opportunity and affirmative action in the workplace.

Colorado State University

Computer Science Instructor - Open Pool

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

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

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

Hampden-Sydney College

Computer Science Faculty for 2023-2024

Hampden-Sydney College is seeking applicants for Visiting Assistant Professor, Visiting Instructor, or Lecturer for academic year 2023-24. The course load is negotiable, with up to four undergraduate computer science classes per semester. Excellent candidates will be considered for a full-time tenure-track position.

Applicants must have a Master's degree or Ph.D. in Computer Science or a related field by the time of appointment, including at least 18 credit hours of graduate coursework in Computer Science or similar experience.

Hampden-Sydney College values diversity, prohibits discrimination, and is committed to equal opportunity for all employees and applicants for employment.

To apply, visit <http://apply.interfolio.com/127388>.

Iowa State University

Assistant Teaching Professor of Computer Science

The Department of Computer Science at Iowa State University in Ames, Iowa is accepting applications for a term faculty position at the rank of Assistant Teaching Professor. The responsibilities of the position include teaching computer science courses primarily at the undergraduate level, including lectures in large classroom settings and supervising teaching assistants for smaller lab sections.

This is a full-time term faculty position with an initial 3-year term and the possibility of renewal. Minimum qualifications for the role include an M.S. degree in Computer Science or a closely related field, as well as teaching experience in computer science or a related field at the college level. Preferred qualifications include a Ph.D. degree in Computer Science or a closely related field and a demonstrated excellence in teaching.

To apply for this position and for more information see https://isu.wdl.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Assistant-Teaching-Professor_R11885. If you have questions regarding this application process, please email employment@iastate.edu or call 515-294-4800 or Toll Free: 1-877-477-7485.

To ensure full consideration, applications should be received by May 31, 2023, but will be accepted until the position is filled.

Northeastern University



Assistant/Associate/Full Teaching Professor Electrical and Computer Engineering - Data Science - Boston

About the Opportunity:

Northeastern University's Department of Electrical & Computer Engineering seeks outstanding candidates for the position of Assistant/Associate/Full Teaching Professor with a focus on Data Science. This is a full-time, benefits-eligible, non-tenure-track position.

Appointments are made on an annual 8-month basis, with salary commensurate with experience. The position of Assistant/Associate/Full Teaching Professor entails educational interaction with students in roles including, but not limited to, traditional instruction (lecture courses, lab courses), project team advising, and student organization advising. The main responsibility of this position is teaching classes that make up the master's program in Data Science, such as classes on algorithm design, data processing, machine learning, data mining and data visualization. The annual teaching course load is six courses, with the potential for teaching more than one section of a course in the same semester, over Fall and Spring semesters. Courses may be at both the undergraduate and graduate levels.

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

Teaching responsibilities are subject to modification based on the programs' needs based upon time commitment of the service requirements and require a willingness to support high-quality teaching and standards through preparation of lectures based on course materials provided; effective facilitation of rich, respectful debates and discussions in an in-person or hybrid class; timely review and grading of assignments with appropriate coaching and feedback to the students; consistent connection with students and their performance; adherence to Northeastern's policies.

A PhD in Computer Engineering, Electrical Engineering, or Computer Science, with teaching experience, is required by appointment start date. Candidates should have experience with a range of Data Science subareas, which may include algorithm design, data processing, machine learning, data mining and data visualization. At least 2 years' experience in teaching at the college/university level is recommended. Excellent written and oral communication skills are required.

Please include with your application documents a cover letter; curriculum vitae; Statement of Diversity, Equity, Inclusion, and Belonging; Teaching Statement & Philosophy; and three letters of reference. Instructions for the statements are included below.

Statement of Diversity, Equity, Inclusion, and Belonging:

Please provide a statement of your commitment and/or contribution(s) that describes your past experience, activities, and/or future plans to advance diversity, equity, inclusion, and the value proposition of belonging in your teaching, research, and service. Your statement should demonstrate an understanding of the barriers facing marginalized communities in your field/community and be in alignment with both Northeastern's mission and BEYOND 2025: The Academic Plan. A more developed and substantial plan is expected for senior candidates.

Teaching Statement & Philosophy:

Statement of Teaching Interests & Philosophy: Please summarize your past instructional and mentorship expertise, your pedagogical philosophy, your plans/goals for teaching (including existing and proposed courses), and your strategies for teaching and mentoring a diverse cohort of undergraduate and graduate students. Include a section discussing educational scholarship that you would conduct as part of your efforts in instruction and/or working with students.

Review of applications will begin immediately and will continue until the position is filled. Questions about the position should be directed to Professor David Kaeli, Search Committee Chair, <mailto:kaeli@ece.neu.edu>. All qualified candidates are encouraged to apply.

Position Type: Academic

Additional Information:

Northeastern University considers factors such as candidate work experience, education and skills when extending an offer.

Northeastern has a comprehensive benefits package for benefit eligible employees. This includes medical, vision, dental, paid time off, tuition assistance, wellness & life, retirement- as well as commuting & transportation. Visit <https://hr.northeastern.edu/benefits/> for more information.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion.

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

To learn more about Northeastern University's commitment and support of diversity and inclusion, please see: <http://www.northeastern.edu/diversity>.

To Apply, Visit: <https://apptrkr.com/4383291>

North Carolina School of Science and Mathematics

Instructor of Computer Science

Instructor of Computer Science to join an Amazing Team at NCSSM's Morganton, NC campus in Fall 2023! Experience with and enthusiasm for teaching high achieving high school or undergraduate students with a strong emphasis on technology is desired. Required: A degree in a technology field related to computer science and a Masters degree or higher in a related field or education.

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

Apply Here: <https://www.governmentjobs.com/careers/northcarolina/jobs/4050770/instructor-of-computer-science-morganton-campus>.

Oklahoma State University

Tenure-track Assistant Professor of Computer Science

The Oklahoma State University (OSU) Department of Computer Science is seeking applications for two tenure-track Assistant Professor positions with a start date of January 2024. To learn more about the positions and to apply, visit <https://apply.interfolio.com/117521>.

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

Oklahoma State University is committed to a policy of race, religion, sex, color, national origin, marital status, sexual orientation, gender identity/expression, disability, or veteran status with regard to employment, educational programs and activities, and/or admissions.

Oklahoma State University

Visiting Assistant Professor of Computer Science

The Oklahoma State University (OSU) Department of Computer Science is seeking applications for two Visiting Assistant Professor positions with a start date of August 2023.

To learn more about the positions and to apply, visit <https://apply.interfolio.com/125922>.

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

Oklahoma State University is committed to a policy of race, religion, sex, color, national origin, marital status, sexual orientation, gender identity/expression, disability, or veteran status with regard to employment, educational programs and activities, and/or admissions.



Information Technology Portfolio Program Manager

**Oregon State University
Corvallis, Oregon**

Recommended Full-Time Salary Range:
\$72,216 - \$126,456

Job Summary:

University Information and Technology (UIT) is seeking a Information Technology Portfolio Program Manager. This is a full-time (1.00 FTE), 12-month, professional faculty position.

University Information and Technology (UIT) is Oregon State University's central IT organization, with an operating budget of approximately \$36M/yr and with additional project/program funding. UIT is led by the Vice Provost for Information Technology, who is also OSU's Chief Information Officer (CIO) and the university official with responsibility for setting university-wide IT policy and guiding the university's central and distributed IT enterprise.

Reporting to the Chief of Staff of the Office of the Chief Information Officer (CIO), the IT Portfolio Program Manager is responsible for the overall management and maintenance of the university's strategic IT project portfolio and its project roadmap. The position helps ensure OSU IT is doing the right work, in the right sequence, it gets that work done, and delivers desired and measurable benefits. To these roles the position brings a bias towards getting things done and increasing forward momentum toward achieving strategic goals for OSU IT.

For more information, contact Alisha Brucker at alisha.brucker@oregonstate.edu.

To apply: <https://apptrkr.com/4256775>

Qatar University

Lecturer

The Department of Computer Science and Engineering is actively seeking exceptional candidates for a Lecturer position in the field of Computer Science. The ideal applicant should hold a Ph.D. degree in Computer Science or an equivalent field from a reputable university. Moreover, the candidate must have a proven track record in teaching courses relevant to Mobile Application Development, Web Development, and Security (e.g., applied cryptography). We are particularly interested in individuals who are highly motivated and eager to collaborate with our dynamic team.

The position is available starting from January 2024.

How to apply?

Create your profile on <https://careers.qu.edu.qa> and apply for the position with id IRC25450.

For more information, visit the following website <http://blogs.qu.edu.qa/cse/2021/09/02/we-are-hiring/>

University of Chicago

Instructional Professor (Open Rank)

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

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

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

The University of Chicago is in the midst of an ambitious, multi-year effort to significantly expand its computing and data science. We seek individuals who can help us fulfill our educational objectives. Position responsibilities include teaching (average teaching load is two courses per quarter in the fall, winter and spring quarters) and non-classroom instructional or service duties as needed.

Qualifications

Candidates must have either:

- A doctorate in Computer Science or a related field at the time of appointment or;
- A master's degree and 4 years of relevant professional experience.

At least one year of prior university-level teaching experience, either as an instructor of record or as a teaching assistant, is required.

Candidates who are qualified to teach courses in one or more of the following areas are preferred: introduction to programming, computer systems, databases, data engineering, and machine learning.

Application Instructions

Applications must be submitted online through the University of Chicago's Academic Jobs

website: apply.interfolio.com/127487.

Review of applications will begin on

October 1, 2023 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae;
- description of teaching philosophy and experience. Must include a list of courses that the candidate is qualified to teach;
- applicants are required to request at least three confidential letters of recommendation via Interfolio.

Optional: candidates may submit teaching evaluations.

Equal Employment Opportunity Statement

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

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

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

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

University of Michigan

Chair Search

Computer Science and Engineering Division

The Computer Science and Engineering (CSE) Division of the University of Michigan invites applications and nominations for the position of Division Chair. CSE is one of the oldest and most respected programs in computation in the world.

CSE has 65 core faculty members (tenured and tenure-track), 20 full-time teaching

faculty, 50 staff, 465 graduate students, and over 3,000 undergraduates across the College of Engineering and the College of Literature, Science, and the Arts. We greatly value interdisciplinary collaborative relationships with faculty in other areas, leading to a large variety of joint and courtesy appointments. CSE researchers contribute to all areas of computing, and to countless other areas where computing relates to human concerns. Please explore [the CSE website](#) to sample the breadth and depth of CSE research.

The intellectual community of CSE values academic and scholarly freedom, inventiveness, interdisciplinary teamwork, diversity, and entrepreneurial thinking. We have worked to articulate a set of [values](#) that are central to who we are. Acting in accordance with our values strengthens our community. Our CSE values exist within the context of the people-first [strategic vision of Michigan Engineering](#). An important part of Michigan Engineering's vision is its (and our) [commitment to Diversity, Equity and Inclusion \(DEI\)](#). We seek to recruit and retain a diverse workforce as a reflection of that commitment.

The successful candidate for Chair will be an outstanding scholar with an earned doctorate in computer science or a related field, and will have an exemplary record of achievement in research, teaching, and service at a level commensurate with appointment as a tenured full professor. The candidate must possess visionary leadership abilities, a broad appreciation for the diverse perspectives within the department, and a strong interest

in mentoring faculty and promoting impactful research across all areas in CSE. The candidate will lead and support the faculty to ensure that learning of the highest quality flourishes at all levels, from undergraduate education to graduate and post-doctoral research. The candidate will work with a diverse group of faculty, staff, students, and administrators to achieve common goals and to maintain rapport with alumni and industry representatives.

Applicants should electronically submit a cover letter, detailed curriculum vitae, research statement, teaching statement, and diversity statement. In addition, applicants are asked to submit a two-page vision for the department. Applicants should be prepared to share a list of names and contact information for at least five references upon being shortlisted. The deadline for ensuring full consideration of an application is September 7, 2023, but the position will remain open and applications will continue to be considered until the position is filled. The search will be conducted in confidence until finalists are identified prior to a public campus visit.

Please submit your application here: <http://apply.interfolio.com/126110>

If you have any questions regarding the search, or would like to nominate someone, please contact Professor H.V. Jagadish, search committee chair, at jag@umich.edu.

The University of Michigan is an equal opportunity/affirmative action employer and is responsive to the needs of dual career families.

University of Michigan-Dearborn

Assistant Professor in Computer and Information Science (CIS)

The Computer and Information Science (CIS) Department at the University of Michigan-Dearborn invites applications for one tenure-track Assistant Professor position in the general area of AI Systems (e.g., intelligent agents, natural language processing, AI software development, AI-powered analytics, etc.). The expected starting date is January 1, 2024. 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. We offer competitive salaries and start-up packages.

The CIS Department offers several B.S. and M.S. degrees, and a Ph.D. degree. The current research areas in the department include artificial intelligence, computational game theory, computer graphics, cybersecurity, data privacy, data science/management, energy-efficient systems, game design, graphical models, machine learning, multimedia, natural language processing, networking, service and cloud computing, software engineering, and health informatics. These areas of research are supported by several established labs and many of these areas are currently funded by federal agencies and industries.

The department and College of Engineering of Computer Science value a culture of diversity, equity, and inclusion. We are committed to the development of

diverse and culturally intelligent faculty who thrive and contribute to a positive and inclusive environment.

Qualifications:

Qualified candidates must have earned a Ph.D. degree in computer science or a closely related discipline by January 1, 2024. Candidates will be expected to do scholarly and sponsored research, as well as teaching at both the undergraduate and graduate levels.

Applications:

Applicants should send a cover letter; curriculum vitae; statements of teaching, research interests, and diversity; evidence of teaching performance (if any); and a list of three references through Interfolio at: <http://apply.interfolio.com/126782>.

Review of applications will start on August 20, 2023, but applications will be accepted until the position is filled.

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

University of Michigan

Assistant Professor

The Center for the Study of Complex Systems (CSCS) at the University of Michigan seeks applicants for a tenure-track faculty position in complex systems science. The Center is a broad, interdisciplinary unit whose faculty use and develop tools from applied mathematics, computation, physics, statistics, engineering, and network theory to understand questions in the social, biological, and physical sciences.

This is a University-year appointment at the Assistant Professor level. The expected start date is August 26, 2024.

Required Qualifications: We seek applicants with a research agenda focused on the development and/or application of complex systems models and/or methods. This may involve theoretical or applied research in areas of complex systems including (but not limited to) mathematical and computational work in network science, computational approaches in complex systems and related topics in computer science, social science, emergence and robustness, or scientific applications where complex systems theory lies at the core of the approach such as: quantitative modeling of biological and social systems, complex systems approaches to systemic racism and health disparities, biological and social evolution, artificial life, and cognition. We are particularly interested in candidates with a record of working across disciplines.

How to Apply: All applications must be uploaded here: <https://webapps.lsa.umich.edu/apply/1700>

This faculty position will be in the Center for the Study of Complex Systems or joint between Complex Systems and another academic department or school at the University of Michigan. If a joint appointment is preferred, candidates should suggest possible partner departments or schools. Complex Systems has a tradition of jointly appointed faculty across a wide range of schools and colleges at the University of Michigan, however both joint and 100% Complex

Systems appointments will be considered. Applicants must submit a CV, a statement of current and future research plans, a statement of teaching philosophy and experience, and evidence of teaching excellence, if any. At least three letters of recommendation are required and must be uploaded by the letter writers to the same website. Finally, please include a diversity statement that demonstrates your commitment to diversity, equity, and inclusion through scholarship/research, and/or teaching/mentoring, and/or service/engagement. There may be some overlap with your research proposal and teaching statements (1-3 pages).

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

Offers for this appointment are contingent on successful completion of a background screening. The University of Michigan is supportive of the needs of dual career couples and is an equal opportunity/affirmative action employer. Women and minority groups are encouraged to apply.

University of Nebraska at Omaha

Visiting Assistant Professor/ Visiting Instructor

The *College of Information Science & Technology* at the University of Nebraska at Omaha (UNO) invites applications for multiple two-year visiting faculty positions at the rank of visiting assistant professor or visiting instructor. The desired start date for these positions is August 2023.

Applicants with expertise in all areas of computing are encouraged to apply. Those with a background in software engineering, database systems, human-centered computing, cybersecurity and technical project management are of particular interest. Visiting faculty will be expected to support coursework essential for undergraduate and graduate programs in Computer Science, Cybersecurity, and Management Information Systems.

Successful applicants will have a passion for student-centered undergraduate teaching and show potential to develop a portfolio of teaching excellence that contributes to UNO's engaged metropolitan campus mission. Candidates should share a commitment to broadening participation in computing through their teaching and/or professional engagements.

Candidates must hold an earned master's or doctoral degree in a computing-related discipline. Those seeking a visiting assistant professor title must hold an earned doctorate or be actively ABD in a doctoral program.

Review of applications will begin on June 30, 2023 and will continue on a rolling-basis until the positions have been filled.

Applications must be submitted online at <https://unomaha.peopleadmin.com/postings/17733> and should include a cover letter, curriculum vitae, teaching statement, diversity & inclusion statement and contact information for three references. A research statement is required for those seeking the rank of visiting assistant professor.

Questions can be directed to: Brian Dorn (bdorn@unomaha.edu)

The University and department have a strong commitment to achieving diversity among the faculty and staff. The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment. UNO is a VEVRAA Federal Contractor and an E-Verify employer.

University of North Carolina Wilmington

Visiting Assistant Professor - Cyber Security

The Department of Computer Science at the University of North Carolina Wilmington invites applications for a non-tenure track position as a Visiting Assistant Professor in Cybersecurity to begin August 2023 on a one-year contract.

Duties include teaching in the undergraduate and graduate computer science programs with a focus mainly on cybersecurity related courses, while maintaining an active research program.

Minimum Education and Experience Requirements

Ph.D. in Cybersecurity, Computer Science, Computer Engineering, or a closely related area with at least 18 hours of graduate coursework closely related to the discipline required.

Applicants who are ABD for the terminal degree will be considered if expected PhD completion date is on or before August 1, 2023.

Applications will be accepted until 11:59 PM EST on 6/22/2023, the posting closing date.

To apply, please visit <https://jobs.uncw.edu/postings/28703>.

University of North Carolina at Wilmington is an Equal Opportunity/ Affirmative Action Employer

University of North Texas

*Postdoctoral Research Associate:
Computer Science & Engineering*

The Computer Science and Engineering Department at the University of North Texas have an immediate opening for multiple postdoctoral fellows. The positions will be part of a multi-disciplinary team participating in a funded research program. The general areas of interests are: machine learning, deep learning, spatial intelligence, mobile computing, mobility simulation, and multi-agent robotic coordination. The initial appointment is one year with the possibility of renewal based on performance.

The successful candidates will have the opportunity to supervise graduate-level research assistants, collaborate with fellow scholars including a team of postdocs, and promote the accomplishments through publications, presentations, and other public events.

For full consideration, apply by 05/30/2023. Review of applications will



Executive Director of the School of Computer and Data Sciences

The University of Oregon (UO), Oregon's flagship public research institution, seeks a creative, visionary, and highly collaborative leader and builder to serve as the first Executive Director of the new School of Computer and Data Sciences (SCDS). Combining the university's growing strength in computer science with its ongoing investment in data science, the new School of Computer and Data Sciences will open in fall 2023.

Housed within the College of Arts and Sciences (CAS), SCDS will be an innovative hub in the Pacific Northwest for advancing education and research in computer and data sciences, engaging with the wider world to tackle interdisciplinary challenges, and building a training pipeline for a diverse group of practitioners and leaders.

For more details including the full position profile and submission of inquiries, nominations, or applications, please see the Isaacson, Miller website here:
<https://apptrkr.com/4325412>

begin 05/15/2023 and continue until the position is filled.

Click the following [link](#) for details and apply: UNT CSE Postdoc

For more information about these opportunities contact Yan Huang (Yan.Huang@unt.edu).

University of South Alabama

Open Rank Cybersecurity Tenure-Track and Computer Science Instructor Positions

The *School of Computing* (SoC) at the University of South Alabama (USA) invites applications for a tenure track open rank position in Cybersecurity (Assistant/ Associate/Full Professor) as well as a non-tenure track Instructor in Computer Science. Tenure-track applicants must hold a Ph.D. in Information Technology,

Information Systems, Computer Science, or a closely related field from a regionally accredited institution.

Applicants for the Computer Science Instructor position must possess a minimum of an MS in computer science or a closely related field.

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

University of South Carolina

Department of Computer Science and Engineering

College of Engineering and Computing

Instructor

The *Department of Computer Science and Engineering* at the University of South Carolina, Columbia is seeking applications for a full-time non-tenure track Instructor position beginning Fall 2023.

The duties of this position are to (1) teach undergraduate courses in computer science and engineering, which may include computer programming (Python, JAVA, C++), web programming (HTML/ CSS/JavaScript), computer engineering (architecture, embedded systems, advanced digital logic), data structures and algorithms, databases, operating systems, networks, computer security, and software engineering; (2) prepare course syllabi and handouts; (3) evaluate and grade student assignments and papers; (4) maintain required records,

including student attendance and grades; (5) hold regularly-scheduled office hours to advise and assist students; and (6) participate in program and department meetings and activities.

Minimum requirements for this position are a Master's degree in computer science or closely related field and a commitment to excellence in teaching.

Application review will begin immediately and continue until the position is filled. Expected start date is August 16, 2023.

Interested applicants will apply online at <https://uscjobs.sc.edu/postings/147498> with: (1) cover letter, (2) curriculum vitae, (3) concise description of teaching interests, and (4) names and contact information of 3 references.

The Department of Computer Science and Engineering in the College of Engineering and Computing offers B.S. degrees in Computer Science, Computer Information Systems, and Computer Engineering; M.S. and Ph.D. degrees in Computer Science and Computer Engineering; and a Graduate Certificate in Cyber Security Studies. The Department has 33 full-time faculty members (including 9 instructors), an undergraduate enrollment of over 1000 students, and a graduate enrollment of over 150 students.

The University of South Carolina is the Flagship University of the State. Founded in 1801, it is one of the nation's oldest and most comprehensive public universities. Columbia, the seat of South Carolina government, was ranked by livability.com as the third best college town in 2016. The temperate climate, the family friendly

and resurgent city, the proximity to the beaches and mountains, and the traditions and beauty of the historic University with forward-leaning benefits and practices provide for a high quality of life.

The University of South Carolina does not discriminate in educational or employment opportunities on the basis of race, sex, gender, age, color, religion, national origin, disability, sexual orientation, genetics, protected veteran status, pregnancy, childbirth or related medical conditions.

University of Texas at Dallas

Assistant Professor of Instruction - 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 (3) non-tenure track faculty positions in Computer Science at the rank of Assistant Professor of Instruction. Applicants from all areas of computer science are sought. Applicants from emerging and interdisciplinary computing areas, including computer science, software engineering, computer engineering are strongly encouraged to apply. Teaching responsibilities will include undergraduate and graduate level courses in the core curriculum and in the candidate's specialization area.

Qualifications

Candidates must have a master's degree in Computer Science, Software

Engineering, or equivalent and demonstrate their commitment to excellence in teaching, which includes a strong commitment to principles of diversity, equity, and inclusion. All candidates are expected to work effectively in a highly collaborative, engaging, and dynamic environment comprised of individuals of diverse backgrounds, skills, and perspectives. The appointment commences in the Fall semester of 2023. A master's degree is required prior to joining; those with ABD status will be considered at the application/interviewing stage.

The Department/School

The Department of Computer Science at UT Dallas is one of the largest in the country, with more than 5,700 students, and offers B.S., M.S., and Ph.D. degrees in both Computer Science and Software Engineering. It also offers degrees in Data Science, Computer Engineering, and Telecom Engineering that are jointly administered with other departments. According to US News and World Report, it is ranked 3rd in Texas in its field among public universities. The department is home to more than 4,400 undergraduate students, 1,300 graduate students, and 50 tenure track faculty. Our faculty include 17 NSF CAREER awardees, and multiple DoD Young Investigator Program awards. 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, AI, machine learning, and software technologies for improved human performance.



Teaching Faculty II University of Wisconsin - Milwaukee

Position Number: 02307220

Introduction (Description of School/College/Dept/Program)

Job Summary

This position will teach undergraduate courses in Computer Science and will be responsible for the coordination, planning, preparation, presentation, and evaluation of classroom instruction, including assessment of outcomes for ABET accreditation and related activities. The position may teach at least four types of core computing courses, such as Algorithms, Computer Architecture, Introductory Programming, Object-Oriented Programming, Systems Programming, Operating Systems, Networks, or Computer Security. A full teaching load is 4 instructional classes per semester, with a possibility for additional summer teaching. Periodically, when needed, the Department may assign a special project in lieu of an instructional assignment.

JOB DUTIES:

- Works with faculty to identify and develop new methods of advancing instruction in the discipline
- Assesses learner performance and prepares reports recommending instructional improvements
- Develops teaching techniques that enhance course effectiveness in alignment with desired outcomes and established strategy and may train other staff in use of these techniques
- Provides classroom, online and/or laboratory instruction, including grading
- Supervises the day-to-day activities of work unit employees involved in instructional support as needed
- Assists in development of grant proposals for funding of model instruction programs
- Assists in defining the objectives of the program and plays a major role in carrying out program duties
- May make presentations to faculty and to staff members on instructional programs and techniques

Minimum Qualifications

- At least two years of teaching Computer Science at an accredited U.S post-secondary institution
- A graduate degree (MS or PhD) in Computer Science or a closely related area (e.g., MIS, IT)

Preferred Qualifications

- Experience as primary instructor for a variety of university lower and upper-level computing courses
- Evidence of experience or interest in broadening participation in computing

Application Instructions

Interested applicants are required to apply online and provide:

- A cover letter addressing your education/experience as it applies to all minimum and preferred qualifications
- A Resume/CV
- Three Sets of Student/peer teaching evaluations related to intended areas of instruction (Upload evaluations into "Other Document" #'s 1-3).
- A document listing the names, position, and contact information (phone & email) for three professional references.

In instances where the Search and Screen Committee is unable to ascertain from a candidate's application materials whether they meet any of the qualifications, they will be evaluated as not meeting such qualifications.

This is a continuous recruitment with an initial review date of 08/28/2023. To ensure consideration, applications must be submitted by 08/27/2023. Applications submitted after 08/27/2023 may not be reviewed.

Application Notes

For this position, applicants are required to apply online. UWM will not consider paper, emailed or faxed applications. Additionally, applicants must complete all required fields and attach any required documents. The process is complete when the message "Your application has been submitted" is displayed and you receive a confirmation number.

AA/EO Statement

UWM is an AA/EO employer: All applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, sexual orientation, gender identity/expression, disability, or protected veteran status.

Reasonable Accommodations

UWM provides reasonable accommodations to qualified individuals with disabilities who are employees or applicants for employment. Employment opportunities will not be denied because of the need to make reasonable accommodations for a qualified individual with a disability. If you need assistance or accommodation in applying because of a disability, please contact uwm-jobs@uwm.edu or 414-229-4463. This job announcement and other material on this site will be made available in alternate formats upon request to an individual with a disability.

Confidentiality of Applicant Materials

UWM is a State agency and subject to Wisconsin's Open Records Law. UWM will not, however, reveal the identities of applicants who request confidentiality in writing except as may be required by Wisconsin's Open Records law. In certain circumstances, the identities of "final candidates" and/or the identity of the appointed applicant must be revealed upon request.

CBC and Reference Check Policy

Employment will require a criminal background check. UWM takes the prevention of sexual misconduct seriously. As such, you and your references will be required to answer questions regarding any past findings of sexual violence and sexual harassment or any pending allegations of sexual violence or sexual harassment.

Annual Security and Fire Safety Report (Clery Act)

For the UWM Annual Security and Fire Safety Reports (i.e., Clery Report), which includes statistics about reported crimes and information about campus security policies, see <http://www.cleryact.uwm.edu/>, or call UWM's Dean of Students Office, Student Union 345 at (414) 229-4632 for a paper copy.

Employment Authorization

In compliance with federal law, all persons at the time of their start date will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire.

To apply, please visit: <https://apptrkr.com/4276122>

Application Instructions

Applicants should follow the instructions found here:

<https://jobs.utdallas.edu/postings/23097>

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.

Washington State University

Multiple Tenured/Tenure-Track Faculty Positions

The School of Electrical Engineering and Computer Science (EECS) at Washington State University in Pullman, WA invites applications for multiple permanent full-time tenured/tenure-track faculty positions in the following two major areas: (i) computer systems with an emphasis on computer architecture, electronic design automation, and/or high-performance computing, and (ii) computer hardware/system security. The job duties of successful candidates will include (but not limited to) teaching undergraduate and graduate courses in computer science; conducting funded research; publishing in top-tier venues; and directing M.S. and Ph.D. student research programs.

Additional criteria and application instructions can be found at <https://tinyurl.com/eecssystems2024>.

Application review begins August 15, 2023.

Yale School of Management

Assistant Professor of Marketing

The Yale School of Management seeks applicants in Marketing for two tenure-track faculty positions (one quantitative and one behavioral) at the rank of Assistant Professor.

Applicants must have a Ph.D. or equivalent degree (or will earn the degree within one semester from the start of the appointment) in Quantitative or Behavioral Marketing or a field related to quantitative or behavioral marketing such as Computer Science, Statistics, Economics, or Engineering; or Psychology, Consumer Behavior, Organizational Behavior, Decision Research, or Behavioral Economics. We are seeking applications from graduating students, post-docs, and recent graduates who show exceptional promise.

The selected candidate will teach graduate (MBA)- and/or PhD-level courses and advise and mentor students, while conducting high-quality research representing early demonstration of intellectual leadership in their area of study.

This is a full-time, tenure-track position located at the Yale School of Management in New Haven, Connecticut.

To apply, visit

<http://apply.interfolio.com/127025>.