CRN At-A-Glance

**CRA Update: NSF Selects CRA to Manage CSGrad4US Program That Will Award Over 220 3-Year Fellowships**

CRA has received its largest-ever award, $42.1 million, from the National Science Foundation (NSF) to expand its role in the [NSF Computer and Information Science and Engineering Graduate Fellowship Program (CSGrad4US)].

See page 2 for details

**New CRA Report Address Growing Integrity Concerns in Computing Research**

The CRA Working Group on Research Integrity was formed earlier this year in response to community concerns that violations of the rules and norms of research integrity are on the rise. Following considerable engagement with community stakeholders, the results of the working group’s efforts are detailed in a new publication.

See page 4 for details

**2024 Outstanding Undergraduate Researcher Award: Nominations Open September 12**

Each year, CRA celebrates and recognizes undergraduates who demonstrate outstanding potential in an area of computing research through the Undergraduate Research Awards (URA). We encourage faculty to nominate undergraduate researchers who demonstrate strong interest in and commitment to contributing to the field by October 13.

See page 14 for details

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CRA Update: NSF Selects CRA to Manage CSGrad4US Program That Will Award Over 220 3-Year Fellowships

By Matt Hazenbush, Director of Communications

CRA has received its largest-ever award, $42.1 million, from the National Science Foundation (NSF) to expand its role in the NSF Computer and Information Science and Engineering Graduate Fellowship Program (CSGrad4US).

Launched by NSF in 2021, CSGrad4US aims to boost the number and diversity of domestic graduate students pursuing research and innovation careers in computer and information science and engineering fields.

“CSGrad4US has the potential to transform computing PhD programs nationwide, and I’m thrilled that this award will allow us to continue this impactful work,” said Tracy Camp, Executive Director and CEO of CRA.

“This long-term commitment from NSF helps ensure the program will be a force for positive change in the community for years to come.”

Role Expansion for CRA

In the programs’ initial two completed cohort cycles, CRA’s Education and Widening Participation committees developed and ran a mentoring program, which included guiding participants through the application process towards a successful computing PhD admission and school selection, and mentoring them through the transition to PhD graduate study in the first year.

The record-breaking award to CRA expands its role beyond the mentoring program to complete management of the CSGrad4US Fellowship program, from application development to subaward management and participant evaluation/tracking.

“With this award, NSF has shown a lot of trust in us to maximize the impact of these dollars and really move the needle against the program’s goals,” said Erik Russell, CRA’s Director of Educational Initiatives and Principal Investigator of the CSGrad4US Fellowship Program.

“We’re very proud of the work we did to stand up the mentoring program, and I’m excited for us to expand our efforts to the broader management of the program. It is largely through the support of the computing research community that service initiatives like CSGrad4US are able to thrive.”

The Co-Principal Investigators of CSGrad4US program are Susanne E. Hambrusch, a Purdue University professor; Russell Joseph, an associate professor at Northwestern University; Lori Pollock, a University of Delaware professor, CRA board member, and co-chair of CRA-E; and Kelly Shaw, a Williams College professor and co-chair of CRA-E.

Program Seeks to Boost Domestic Computing PhDs

CSGrad4US was started to address the significant supply and demand imbalance for computing PhDs in the United States. While the rapid growth in undergraduate computing enrollments during the last decade has significantly increased the number of open faculty positions at academic institutions, it has not yet led to a significant increase in the number of PhD students graduating. At the same time, the percentage of PhDs awarded to domestic students has declined.

To increase the interest of domestic students in pursuing a PhD, NSF started the CSGrad4US PhD fellowship program in 2021 by providing three years of financial support for graduates returning to a PhD program in a CISE field after having been in the workforce. The program helps bachelor’s degree holders return to academia and pursue their research interests, enabling them to engage in innovative and high-impact projects without the burden of financial constraints.

Russell observed, “Many people, particularly first-generation college graduates, face a challenging decision when they’re considering leaving a well-paying industry job to pursue a PhD. The financial assistance offered by CSGrad4US makes it a more viable option, and the mentorship provided to fellows ensures they also receive the non-financial support they need to be successful.”
Since its launch in 2021, a total of 169 individuals have been selected for the CSGrad4US Fellowship program in three application cycles. Of those, 70 recently began the CSGrad4US Mentoring Program portion, during which they are paired with a coach and work through a series of mentoring sessions and activities. There are currently 68 CSGrad4US Fellows that have already begun their CISE PhD programs. The remaining individuals selected for the fellowship have either deferred their graduate school applications, deferred their graduate enrollment after being accepted, or have decided against attending graduate school.

**Intellectual Merit and Broader Impacts**

The fellowship program will collect data on the profile of graduates who apply for the fellowship, are accepted into the program, decide to apply to PhD computing programs, enroll in a CISE PhD program, and complete PhDs. Analysis of the data will provide valuable insights on recruiting and mentoring PhD students returning to school from the workforce.

“There's so much opportunity to better understand the different pathways people can take to a CISE PhD and the challenges they face in pursuing graduate school,” said Lori Pollock, co-PI of the program.

“This program will enable us to learn a lot that will help us drive positive changes in graduate admissions as our community strives to better serve the kinds of students CSGrad4US attracts.”

In addition, management of the fellowship program and its accompanying mentoring program will lead to the development of a mentoring framework and a professional development model. These models can serve as templates that may be duplicated within the computing field and potentially across other STEM disciplines with the aim to increase the number of domestic PhD graduates.

“Understanding the wide range of participants' application experiences, as well as the experiences of the coaches, is enabling us to gain valuable and unique insights into the PhD application process for this population,” said Kelly Shaw, co-PI of the program.

“Based on feedback from Fellows currently enrolled in PhD programs, we know this program is changing lives. I'm excited to continue learning how we can better recruit, support, and retain individuals applying to PhD programs through the CSGrad4US program and believe the knowledge we gain will help us provide better structures and guidance for all domestic students interested in obtaining PhDs in computing fields.”

**Time of Great Opportunity for CRA and the Computing Research Community**

Receiving an award of this magnitude opens up exciting opportunities for CRA and the computing research community.

In recent months, the organization has added to its staff a diverse array of talented and dedicated professionals across a variety of functions, including program and grant management, communications, and data and evaluation.

“It’s a very exciting time for CRA. Awards like this allows CRA to be even more innovative, which then broadens our impact for the community research community,” said Camp, Executive Director and CEO.

For more on CSGrad4US, visit the program homepage on cra.org.
New CRA Report Addresses Growing Integrity Concerns in Computing Research

By Alex Aiken and Nancy M. Amato, co-chairs of the CRA Working Group on Research Integrity

It is difficult to overstate the importance to computing research of integrity—the observation of formal rules and norms about what is acceptable in the preparation, submission, and peer review of research publications. Our computing research community relies on the integrity of authors, reviewers, conference chairs, and journal editors to function properly and to fulfill its core purpose of advancing knowledge. Recent community concerns that violations of the rules and norms of research integrity are increasing must be taken on with seriousness, urgency, and rigor.

At the direction of the CRA Board of Directors, the CRA Working Group on Research Integrity was formed earlier this year. Meeting bi-weekly from February through May, our meetings were devoted to hearing from community stakeholders, including the computing professional societies, university officials charged with investigating violations of research integrity, recent program chairs of large conferences, representatives of the major conference management systems, and the National Science Foundation.

Consisting of 17 members—chosen to broadly reflect these stakeholder groups—the charge of the working group was to:

- Enumerate the current threats to research integrity.
- Evaluate whether these threats have significantly changed in recent years and whether the community’s mitigation efforts appear to be sufficient.
- Make recommendations on best practices to mitigate those threats where there is some consensus or suggest directions for further study where no such consensus exists.

The results of the working group’s efforts are detailed in a new publication, Report of the CRA Working Group on Research Integrity, which is now available to the community on CRA’s website.

Training Materials for New Community Members

The primary overarching recommendation of the working group is for the development of training materials to educate new members of the research community on the standards and expectations for authors and reviewers, as well as the consequences for violations of those standards.

Currently, members of the research community learn what is and is not acceptable behavior from their peers and mentors. Given that the research community is extremely diverse and has grown very rapidly, there is no reason to assume that everyone is familiar with the shared standards of integrity at the start of their careers.

Subversion of Peer Review

We believe that the subversion of peer review is the most immediate and serious of the current threats to research integrity. The working group heard evidence that abuses of the peer review system have significantly increased and evolved to exploit the very different reviewing environment that exists today compared to a decade ago. Our report makes a number of specific recommendations for protecting the integrity of peer review.

Abuse of Meeting Sponsorship

Abuse of meeting sponsorship involves creating conferences or workshops that do not meet community quality standards. The working group heard evidence that the creation of substandard, but sanctioned, meetings is increasing.
The specific current issue centers on “special topic” meetings. Typically, a professional society approves an application to sponsor a one-time meeting on a research topic, only to discover later that the proceedings of the meeting, which is generally included in the society’s on-line digital library, was assembled without even minimal standards for selecting papers.

The working group recommends that professional societies develop more rigorous standards for sponsoring special topic meetings to reduce the instances of such meetings where the proceedings have very low or no standards for publication.

Additional Threats to Research Integrity
Other areas of concern for research integrity in computing research are discussed in the report without making specific recommendations. Any training materials developed for new members of the computing research community should include a discussion of the following research integrity issues:

- **Fabrication and falsification of results** is knowingly attempting to publish results that are not scientifically valid.
- **Plagiarism** is taking credit for previous work (by others or even oneself), most often by appropriating ideas or text from past publications without attribution.
- **Manipulation of citation counts** is inflating the number of references to a paper beyond what is justified by the scholarship.
- **Ignoring the standards of authorship** primarily involves including authors on papers who have not contributed significantly to the work or, conversely, excluding people who have contributed significantly from authorship.

Generative AI in the Publication Process
The working group also discussed the abuse of generative AI in the publication process, which we defined as using automated tools to substitute for human intellectual contributions in the submission or review process. Considering that this is a very recent potential threat, the working group determined that this topic needs to be revisited when the community has additional experience with the use of generative AI in the publication process.

Access and Share the Report
The potential audiences for this report include authors, reviewers, program chairs, editorial board members, developers of conference management software, professional societies, department chairs and other university administrators, research managers in industry, and funding agencies.

As co-chairs, we’d like to sincerely thank our fellow members of the CRA Working Group on Research Integrity for the considerable time, effort, and expertise they lent to this important effort. It is our hope that the community will reckon with the findings and recommendations that we detail in the report and will share it widely.

**Alex Aiken** is a co-chair of the CRA Working Group on Research Integrity, a member of the CRA Board of Directors and the Alcatel-Lucent Professor of Computer Science at Stanford University.

**Nancy M. Amato** is a co-chair of the CRA Working Group on Research Integrity, the Chair of the CRA Board of Directors and the Abel Bliss Professor of Engineering and the Head of the Department of Computer Science at the University of Illinois Urbana-Champaign.
CRA’s Inaugural Leadership Academy

By the CRA Leadership Academy Program Committee

CRA held its inaugural CRA Leadership Academy to inform and cultivate future leaders in computing and computing research in Chicago May 22-23, 2023.

There were 36 attendees from institutions across the United States and Canada. All attendees were recently promoted to full professors or likely to be promoted in the near future. Attendees completed pre-reads before the training and then participated in a series of interactive sessions in person, including:

- Dinner and fireside chat with Georgia State University president M. Brian Blake and host Juan Gilbert
- What makes a good leader
- Search firms: roles, mechanics, and wisdom
- Leading and Managing 360
- Flexing your leadership muscles

The speakers and organizers included those with a wide range of leadership experience, including a university president, a provost, three deans, four department heads, leaders at NSF and DARPA, and leaders of ACM, CRA, and various conferences.

The after-event survey indicated that the Academy was extremely well-received (with 81% of the respondents rating the academy as “excellent” and the remainder as “good”). Among the favorite pre-reads were the Harvard Business Review Who’s Got the Monkey? article (Dec. 1999) and the video of a 2022 Interview of Carla Harris by Adam Grant. 94% of participants agreed that the pre-reads were “engaging.” All of the workshop sessions received strong positive reviews, with the most popular session being “Search firms: roles and mechanics, wisdom”, which was led by partners from the search firm Isaacson, Miller.

Attendee comments made at the end of the in-person component included:

- I now have a better understanding of leadership opportunities.
- I had a vague idea about leadership, but now it’s more concrete.
- I was inspired to be more deliberate and methodical in thinking about leadership.
- The event reminded me of the importance of building and maintaining a network.
- I am now more sure that I want to be a leader.

A detailed agenda, readings on leadership, and more are available on the CRA Leadership Academy website. A series of follow-up virtual meetings are being planned for the Academy cohort in the Fall of 2023. These meetings will focus on (i) leadership “book group” discussions and (ii) building a leadership CV. The virtual meetings will be held as smaller breakout groups to encourage interaction and networking. Discussions are also underway for a future second CRA Leadership Academy, likely to be held in February 2025.

The 2023 CRA Leadership Academy program committee was:

- Carla Brodley (co-chair), Northeastern University
- Juan Gilbert, The University of Florida
- Jim Kurose (co-chair), The University of Massachusetts at Amherst
- Manuel Pérez Quiñones, The University of North Carolina at Charlotte
- Rachel Pottinger, The University of British Columbia
- Nigamanth Sridhar, Cleveland State University
2023 CRA Taulbee Survey: Data Collection to Begin This Month

By Betsy Bizot, Senior Research Associate

The 2023 CRA Taulbee Survey will be launching soon! As has been CRA’s recent practice, the survey will be split into two parts, salary and main (everything else). This allows us to set an earlier deadline for the salary section in order to produce a preliminary salary report in December, while giving departments more time to collect and enter the information in the rest of the survey if needed.

All North American departments that grant doctorates in Computer Science, Computer Engineering, or Information are invited to participate in the survey.

Schedule for the 2023 Taulbee Survey:

• By September 17: Each academic unit head will receive an email about this year’s survey and so will the Taulbee primary contact(s), if separate. The data-gathering pdf will also be available at this time.
• September 24: Both Salary and Main surveys open for input.
• November 28: Due date for salary section.
• Late December: Preliminary salary report available to survey participants.
• January 23, 2024: Due date for the main Taulbee section.
• May 2024: Findings shared with the community.

CRA’s CV Database Is Now Accepting Applications from Graduating PhD Students

By Samir Khuller, CRA Board Member, and Janine Myszka, CRA Program Associate

CRA’s CV Database is now accepting materials from graduating PhD students for the 2023-2024 recruitment season!

Please encourage PhD students who are set to graduate this academic year to post their credentials to the CRA CV Database. Graduating students are encouraged to upload their materials no later than November 1 to maximize their visibility to recruiters.

What is the CV Database?

The Computing Research Association (CRA) launched the CV Database initiative in Fall 2018 with the goal of helping to address recruiting challenges in the computing research community. This initiative provides a database of candidates for academic and industrial/government laboratory research positions, and it is searchable by most CRA member institutions.

This resource can be used to match those recruiting computing researchers with candidates for academic and industrial/government laboratory positions.

Why should graduating PhD students participate?

Recruiters actively use the database to find suitable candidates for academic or industrial/government laboratory research positions, including:

• Faculty positions in a research university
• Faculty positions in a non-PhD granting university
• Teaching-focused positions in a research university
Call for Challenge Problems
Requiring AI/OR Collaboration

By Catherine Gill, Program Associate, CCC

The CCC, in collaboration with INFORMS and ACM SIGAI, will be hosting the final workshop of a three-part series titled, Artificial Intelligence (AI)/Operations Research (OR), in late February or early March 2024, to set a course for fundamental research that needs the partnership of both disciplines. Organized by Yu Ding (Georgia Institute of Technology), Pascal Van Hentenryck (Georgia Institute of Technology), Sven Koenig (University of Southern California), Ramayya Krishnan (Carnegie Mellon University), Radhika Kulkarni (INFORMS), and Phebe Vayanos (University of Southern California), the workshop will focus on drafting a strategic plan for increasing the AI/OR partnership and on outlining real-world opportunities for collaboration, based on discussions from the previous two workshops.

For this workshop, we are requesting proposals from the AI and OR communities for compelling and inspiring grand challenge problems of a theoretical or applied nature that:

- require the collaboration of AI and OR researchers and
- will result in basic research on the integration of AI and OR techniques that
- align with societal needs and national priorities with potential for real-world impact.
We would like proposals to describe a challenge problem that will result in the integration of AI and OR methods and articulate the AI and OR methods needed, dataset availability (if applicable), method innovation, evaluation criteria, path to applications, and the potential to result in impact on societal needs and national priorities. Some questions to consider are:

A. What are challenges that you believe will be faced to tackle this problem, and what are the mechanisms needed to address them?

B. How can policies/mechanisms incentivize collaborations between the two communities?

C. Why do you think the two communities need to collaborate to address this challenge?

Challenge problems can be submitted using this form. Submissions can be written in paragraph or bullet point style formats. Your submission should convincingly explain why it satisfies points 1, 2, and 3 above and how it addresses questions A, B, and C. Some high level ideas of challenges include leveraging optimization to mitigate bias in large language models, or using robust optimization to enhance privacy of generative AI. The deadline for submission is September 15, 2023.

Selected submitters will be invited to participate in the third workshop to help shape the discussion around collaboration between AI and OR communities and researchers and to help break barriers in such collaborations.

At the final workshop, in addition to laying out challenge problems, we will also outline additional strategies that will help both communities to impact national priorities, such as creating a joint summer school where AI and OR experts provide multidisciplinary training in AI and OR to Ph.D. students, and other ideas from the community. The objective for the third workshop is to write a final report that lays out a blueprint for activities that increase the collaboration between the AI and OR communities.

To learn more about the AI/OR Workshop series, please visit the First and Second workshop event pages, and read the Workshop 1 Report Out and the Workshop 2 Report Out.

Please remember to submit your ideas here by September 15, 2023.

**CCC’s Recent Responses to the Community Highlights**

**By Maddy Hunter, Program Associate, CCC**

An important role of the Computing Community Consortium (CCC) is responding to government requests for information. The CCC does this by recruiting various members of the computing research community to synthesize main points and incorporate a variety of opinions into a response. In the past couple of months alone, the CCC has responded to five requests. The responses are highlighted below:

**Response to the PCAST Working Group on Generative AI’s Request for Public Input**

In May 2023, the President’s Council of Advisors on Science and Technology (PCAST) published a Request for Public Input to help assess key opportunities and risks and provide input on how best to ensure that these GenAI technologies are developed and deployed as equitably, responsibly, and safely as possible. You can read the response here.
Response to the Request for Information (RFI) on Developing a Roadmap for the Directorate for Technology, Innovation, and Partnerships (TIP) at the National Science Foundation

In April 2023, the National Science Foundation published a Request for Information to inform the development of a roadmap for the recently established Technology, Innovations, and Partnerships (TIP) Directorate. This roadmap will help to determine the areas of use-inspired translational research and projects which the TIP directorate will fund, with a goal to advance US competitiveness in the key technology areas identified within the Request for Information. The Computing Research Association’s (CRA) Computing Community Consortium (CCC) and CRA’s Government Affairs Committee (GAC) drafted a joint response. You can read the full response here.

Response to the Office of Science and Technology Policy Request for Information on National Priorities for Artificial Intelligence

In May 2023, the Office of Science and Technology Policy (OSTP) published a request for information to inform the development of the Biden-Harris Administration’s National Artificial Intelligence (AI) Strategy. The strategy will chart a path for the United States to harness the benefits and mitigate the risks of AI building on the actions that the Federal Government have already taken to responsibly advance the development and use of AI. Public comments will help to update U.S. national priorities and future actions on AI. You can read the response here.

Response to the Food and Drug Administration’s Using Artificial Intelligence and Machine Learning in the Development of Drug and Biological Products Request for Comment

In May 2023, the Food and Drug Administration (FDA) announced the release of a discussion paper named “Using Artificial Intelligence and Machine Learning in the Development of Drug and Biological Products” and published a request for comment. The FDA’s Center for Drug Evaluation and Research (CDER), worked with the Center for Biologics Evaluation and Research (CBER) and Center for Devices and Radiological Health (CDRH), including the Digital Health Center of Excellence (DHCoE), on the paper and attached discussion questions. Their goal is to initiate a conversation with stakeholders on the use of AI and ML to help inform the drug development regulatory landscape. You can read the full response here.

Response to the National Telecommunications and Information Administration’s AI Accountability Request for Comment

In June 2023, the National Telecommunications and Information Administration (NTIA) sought comments on Artificial Intelligence (“AI”) system accountability measures and policies. This request focuses on self-regulatory, regulatory, and other measures and policies that are designed to provide reliable evidence to external stakeholders—that is, to provide assurance—that AI systems are legal, effective, ethical, safe, and otherwise trustworthy. NTIA will rely on these comments, along with other public engagements on this topic, to draft and issue a report on AI accountability policy development, focusing especially on the AI assurance ecosystem. You can read the full response here.

You can read past CCC responses on the CCC website as well as keep up with new responses.
How Smartphones and Watches are Revolutionizing Global Health

By Maddy Hunter, Program Associate, CCC

Previous CCC Council Member Shwetak Patel’s research was recently featured in a ZME Science article “Can we screen the world? How smartphones and watches are revolutionizing global health (and just getting started)”. A new frontier of personalized medicine has arrived with the help of smart technologies such as smartphones and watches. These technologies help doctors detect and as a result efficiently fix health conditions. Almost everyone has a smartphone, and these devices collect a lot of information about us: steps, sleep, heart rate, etc. Shwetak Patel, a researcher, is leading efforts to use smartphones and their sensors for health purposes. He believes smartphones can do a lot more in health monitoring.

Patel has an idea to use smartphones to test for diabetes globally. Usually, to test blood sugar, you use a machine called a glucometer. Patel’s idea is to use a special strip, put a blood drop on it, attach it to a smartphone, and use an app to read the blood sugar level. This method is affordable and can be used by many since lots of people own smartphones. This smartphone method might not be 100% perfect, but Patel says it’s still good. Instead of one perfect test a year, it’s better to have many smaller tests often. These regular checks can show if something’s changing or going wrong.

Potential breakthroughs of this type are becoming increasingly important with diseases like diabetes increasing worldwide. Early detection using smartphones can be a game-changer. Additionally, there are many other health conditions that could be checked using smartphones. With this technology, everyone, rich or poor, in any country, can have easy health checks using their phones. The goal is to let everyone use their phones to keep track of their health, without always needing a doctor.

While very promising, we need to make sure these smartphone health tests are accurate and safe. There are concerns about privacy and the belief that people should control their own health data. The goal is to help everyone equally, not make health differences bigger. Despite these important nuances, these technologies demonstrate that smartphones are more than just for calls and texts. They can be a big part of our healthcare in the future. The hope is to use technology to help everyone, no matter where they are or how rich they are, to be healthier.
Need Evaluation for Your Research Experiences for Undergraduates (REU) Project?

By Ama Nyame-Mensah, Senior Research Associate, CERP

Are you a new or existing REU Principal Investigator? Do you need to fulfill your REU Site evaluation requirement?

Sign up to participate in the Computing Research Association’s (CRA) Center for Evaluating the Research Pipeline (CERP) Comparative Evaluation of Undergraduate Research Opportunities on Student Interest in Research Careers in CISE Fields!

CERP* is a research and evaluation center whose mission is to promote diversity in computing. CERP provides evaluation for Research Experiences for Undergraduates (REU) projects sponsored by the Computer and Information Science and Engineers (CISE) directorate of the National Science Foundation (NSF) at no cost. Partnering with CERP will fulfill NSF’s evaluation requirement.

Please complete our interest form if you have an REU Site or REU Supplement and want to work with CERP for your REU evaluation. After you submit your interest form, you will receive a confirmation email from the CERP team (cerpreu@cra.org). If you are preparing an NSF proposal for your REU, we will also provide you with a paragraph to include in your proposal.

Sign up today!

Want a sneak peek of what you can expect as a client? Check out this example report of the results you will receive.

*CERP is contracted with the National Science Foundation (NSF) Directorate for Computer and Information Science and Engineers (CISE) to provide evaluation of the NSF CISE Research Experiences for Undergraduates (REU) programs, which include REU Sites and REU Supplements. PIs participating in this evaluation do not have to include CERP in their proposal budget.

CRA-E Welcomes Three New Board Members

By the CRA-E Committee

The CRA Education Committee (CRA-E) is excited to announce that Renee Bryce, Dorian Arnold, and Stacy Branham joined as board members.

The CRA-E board would also like to recognize and extend their gratitude to Emeritus member Amy Ko, who recently completed her service on the board. Amy was instrumental in supporting the committee’s mission, and her service was greatly appreciated. The CRA-E board is also thankful for former Graduate Fellow Nadia Ady, who received her PhD from the University of Alberta in July. During her term, Nadia supported the development of the monthly Undergraduate Research Highlights and contributed to the redesign of the Conquer website.

Renee Bryce
Professor, Computer Science and Engineering, North Texas University

Renee Bryce is a Professor at University of North Texas. She earned her Ph.D. in Computer Science from Arizona State University in 2006. She earned her B.S. and M.S. degrees from Rensselaer Polytechnic Institute. Her research areas interests include Software Engineering, with emphasis on software testing and usability testing and Computer Science Education, with emphasis on software testing education.
New Board Members (continued)

She has served as Primary Investigator on funding from the National Science Foundation, National Institute of Standards and Technology, U.S. Forest Service, Lawrence Livermore National Lab, and more. Over the past decade, she’s obtained more than $4 million in total research funding. Dr. Bryce is a member of the U.S. National Institute of Standards and Technology (NIST) Automated Combinatorial Testing for Software (ACTS) group.

Dr. Bryce is the recipient of a 2021 UNT Distinguished Teaching Professorship Award, 2018 DFW Tech Titan Award, and 2015 NCWIT Undergraduate Research Mentor Award. She is also a recipient of the 2006 Arizona State Commission on the Status of Women award for her “achievements and contributions towards advancing the status of women”. One of her students received the “Best M.S. Thesis” in the Department of Computer Science at Utah State University and one received the “Best Honors Thesis” at Utah State University (one award for the entire university).

**Dorian Arnold**

*Associate Professor of Computer Science at Emory University*

Dorian Arnold is a tenured, associate professor of Computer Science at Emory University. From 2009-2017 he was an assistant and associate professor at The University of New Mexico. He studies distributed systems, fault-tolerance, online (streaming) data analysis, and software tools for high-performance computing environments. Arnold is interested in the performance, scalability and reliability issues of extreme scale environments comprising many thousands or even millions of components. He has 60+ peer-reviewed publications with 1800+ citations. His research projects have won two Top 100 R&D awards. In 2017, he was named an ACM Distinguished Speaker.

Arnold has held leadership roles at major HPC venues including chair of many technical components and steering committee member for the SC Conference and as an Associate Editor of the IEEE Transactions on Parallel and Distributed Systems. He is committed to diversity and inclusion and served as General Chair for the 2017 ACM Richard Tapia Celebration of Diversity and the 2016 CRA HPC Pipeline Workshop. Dorian has also been a speaker at several CRA-WP events throughout the years.

Arnold earned Ph.D. and M.S. degrees in Computer Science from the Universities of Wisconsin and Tennessee, respectively. He earned a B.S. in Math and Computer Science from Regis University (Denver, CO) and his A.S. in Physics, Chemistry and Math from St. John’s College (Belize).

**Stacy Branham**

*Associate Professor of Informatics, University of California, Irvine*

Stacy Branham’s research investigates how technologies operate in social settings where one or more people is disabled, yielding actionable design guidance and proof of concept prototypes. Her work has been recognized by best paper awards at top research conferences and has been supported by over $15 million from funding entities including Jacobs Foundation, Toyota, Intel, and the NSF. In 2021, she received the NSF CAREER Award and was named one of the “Brilliant 10” rising STEM researchers by Popular Science. She earned her Ph.D. in 2014 and her B.S. in 2007, both from Virginia Tech’s Department of Computer Science.
Each year, CRA celebrates and recognizes undergraduates who demonstrate outstanding potential in an area of computing research through the Undergraduate Research Awards (URA). We encourage faculty to nominate undergraduate researchers who demonstrate strong interest in and commitment to contributing to the field. Award recipients will receive financial assistance of up to $1,500 to attend a research conference of their choice.

Up to four CRA Outstanding Undergraduate Research Awards will be granted, with additional nominees designated as runners-up, finalists, and honorable mentions. The award recipients, runners-up, finalists, and honorable mentions will receive physical certificates acknowledging their award, and will be featured on CRA’s website.

The Undergraduate Research Awards will accept nominations September 12 through October 13, 2023, and award decisions will be announced in mid-December.

To be considered, nominees must be undergraduate students enrolled in an accredited North American college or university during the Fall of 2023. PhD-granting departments may nominate up to 4 students, and non-PhD-granting departments may nominate up to 2 students.

Microsoft Research and Mitsubishi Electric Research Labs (MERL) sponsor the CRA Outstanding Undergraduate Researchers Award Program in alternate years. The 2024 award is sponsored by Mitsubishi Electric Research Labs (MERL) and will be managed by the CRA Education Committee.

To learn more about the award, please visit: http://cra.org/crae/awards/cra-outstanding-undergraduate-researchers/. Questions and inquiries should be directed to: undergradawards@cra.org.

Thank you to the CRA Outstanding Undergraduate Research Award Sponsors:
FY24 Appropriations Update: 
Congress’ September To-Do List is Short but Contentious

By Brian Mosley, Associate Director, Government Affairs

With Labor Day behind us, Congress has returned from its August Recess, and the legislative body has been met with some major, yet typical, items on its September to-do list. The most significant being passing a continuing resolution to keep the federal government running after the start of Fiscal Year 2024.

It’s no longer a question of if a CR will be needed; neither chamber has passed all of their appropriations bills. With FY24 beginning on October 1st, Congress must act or risk a government shutdown. The Senate is further along, having passed all their bills through the Senate Appropriations Committee, and most on a bipartisan basis, but none have gotten to the full Senate for consideration. The House is more incomplete, having passed most, but not all, of their funding bills through their Approps Committee. But there are some important hold-ups; for example, we are still waiting on details of the House Commerce, Justice, Science bill, which contains the budgets for NSF, NIST, and NASA. Put simply, both chambers are not close to being done with their work, hence the need for a continuing resolution.

What’s the hold up? It’s the same recurring story: a group of hardline conservative members of the House GOP Caucus are demanding partisan policy provisions and significant reductions in federal spending to win their votes on any CR or spending legislation. Since the Republican majority in the House is so small, only four votes, this group is able to wield a great deal of influence over the process.

The House GOP leadership has to take their threats seriously; they can’t just cut a deal with House Democrats to move a spending bill. Back in June, after the Debt Limit Budget Agreement was signed into law, which this same group of Republican members voted against, they effectively shut down the House by refusing to vote with their caucus on any legislation. That could be repeated. Or they could call for a vote to remove Speaker McCarthy (R-CA) from his leadership position; you’ll recall from January how long it took to vote him into his position.

It is important to keep in mind that if Congress does not pass a CR, that means there is a lapse in funding authority and the government must shut down. That would be a worst-case scenario. To contextualize this for the research community, a government shutdown would mean researchers couldn’t access funds from their federal research grants or communicate with their research agency program officers. And, of course, any federal facilities, such as the national labs or governmental offices, would be closed until a funding bill was passed into law. It would create a serious disruption in the nation’s scientific enterprise; remember what happened the last time there was a shutdown.

It’s a complicated political game at the moment. There is agreement from both Senate Majority Leader Schumer (D-NY) and Speaker McCarthy that a CR is needed to keep the government open. But anything passed will not be in effective for long, again showing the influence of this block of House Republicans. Unfortunately, the process will need to play out more before we know how FY24 will be closed out; that will likely not happen until the very end of the year (or even be pushed into next year). And the threat of a government shutdown will continue to be there. CRA will keep monitoring the situation and report on any new developments.
Biden Administration Releases R&D Priorities Memo for Next Year's Budget Request

By Brian Mosley, Associate Director, Government Affairs

In mid-August, the Biden Administration released a memo to the Federal research agencies outlining their research and development priorities for the Fiscal Year 2025 budget. The memo provides guidance to the agencies on how to prepare their budget request submissions for the Office of Management & Budget (OMB), who is the lead office in the White House tasked with assembling the yearly Presidential Budget Request (PBR).

Regular readers will recall, the first step in the federal budget process is the PBR, which is legally required to be submitted to Congress in early February (though it isn’t always submitted on time, as this past year demonstrated). Once the PBR is transmitted to Congress, the legislature then decides how money is legally allocated to the federal agencies through the appropriations process.

The memo identifies seven broad categories for the Administration’s R&D priorities:

• Advance trustworthy artificial intelligence (AI) technology that protects people’s rights and safety, and harness it to accelerate the Nation’s progress.
• Lead the world in maintaining global security and stability in the face of immense geopolitical changes and evolving risks.
• Step up to the global challenge of meeting the climate crisis by reimagining our infrastructures, renewing our relationship with nature, and securing environmental justice.
• Achieve better health outcomes for every person.
• Reduce barriers and inequities.
• Bolster the R&D and industrial innovation that will build the Nation’s future economic competitiveness from the bottom up and middle out.
• Strengthen, advance, and use America’s unparalleled research to achieve our Nation’s great aspirations.

Very little is new here, as all of these priorities are in line with the Administration’s FY24 budget requests, and the years before that. The one item that has fallen back from past years is pandemic readiness; while it had been its own category in past memos, for obvious reasons it is now a subpoint under “achieve better health outcomes for every person.” Other than that, the memo continues to show that the Biden Administration is prioritizing AI, national security, equity and inclusion, and national competitiveness in the nation’s R&D enterprise.

With Fiscal Year 2025 being the last budget of President Biden’s first term, there is the possibility that this will be the last time this Administration will direct the research agencies’ agendas. Should President Biden win a second term, we can expect these priorities to continue to direct those agencies’ plans.
Subscribe to CRA-Industry Updates

By Helen V. Wright, Manager, CRA-Industry

Computing Research Association-Industry (CRA-I), whose mission is to convene industry partners on computing research topics of mutual interest, has an active Steering Committee (SC) that uses the following workflow to impact the computing research industry community.

The SC has had over 30 conversations with those in the community to generate topics of interest. Virtual roundtables are then held to propose these topics to the larger community. The takeaway from these roundtables are then used to create a 1.5 day workshop to further expand on ideas. After the workshop, a report is produced and shared broadly with the community.

As CRA-I continues to grow, we would like to share newly released reports, updates, and upcoming industry events with you. Please make sure to check the website regularly and subscribe to our CRA-I announcements and blog email here.
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Expanding the Pipeline
Soha Hassoun, Tufts University
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Column Editors
Amherst College

Assistant Professor of Computer Science (Two Positions)

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

Amherst is committed to providing financial aid that meets 100 percent of every student’s demonstrated need, and nearly 60 percent of our students receive financial aid. Our expectation is that the successful candidate will excel at teaching and mentoring students who are broadly diverse with regard to race, ethnicity, socioeconomic status, gender, nationality, sexual identity, disability/ability, and religion.

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

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

The successful candidate must have a Ph.D. in computer science or have fulfilled all requirements for the degree by the start of the appointment. A cover letter, curriculum vitae, research and teaching statements, and three confidential letters of recommendation should be submitted electronically to https://apply.interfolio.com/128557.

Applications received by October 16, 2023, will be assured of full consideration. Review of applications will continue until the positions are filled.

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

Boston University

Tenure-Track Assistant Professor

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

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

BU ECE attracts exceptional undergraduate and graduate student and faculty talent at all levels. Research activity by primary faculty is approximately $26M per year. The College of Engineering is currently ranked 35th in the nation by US News and World Report, and 15th among private universities. The College is 5th in the nation in total funding from NSF among engineering schools at private universities. BU ECE faculty lead and participate in several...
Professional Opportunities

Applications are due September 27, 2023.

View the full job posting here.

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.

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

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

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

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

Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice and a commitment to broadening participation of underrepresented groups in engineering. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.
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](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 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) to which you are applying. You can learn more about our hiring plans and application instructions by visiting [https://scsdean.cs.cmu.edu/faculty-hiring](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](mailto:faculty-search@cs.cmu.edu) with any questions.

Carnegie Mellon University shall abide by the requirements of 41 CFR 56 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.
Professional Opportunities

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.

Claremont McKenna College

Postdoc in Computational Biology and Bioinformatics

Claremont McKenna College invites applications for a Postdoctoral Research Associate. The researcher will have a responsibility for conducting computational biology and bioinformatics research in the areas of genomics, microbiome analysis, and microbial ecology. The candidate will join Professor Shibu Yooseph’s Computational Biology research group in the Kravis Department of Integrated Sciences at Claremont McKenna College.

An ideal candidate will have a background in the computational sciences, and will lead the development, implementation, and application of combinatorial and machine-learning algorithms to analyze microbiome data. This position involves knowledge of algorithms design, computer programming, and biological data analysis. Candidates who aspire to establishing themselves as independent researchers and innovative teachers are strongly encouraged to apply.

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

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

Position Description

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

Department and College Profile

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

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

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

citadel.edu/ccs
Please see https://academicjobsonline.org/ajo/jobs/24875 for complete details and information on how to submit an application.

College of the Holy Cross
Tenure-Track Assistant Professor Faculty Position in Computer Science

The Department of Mathematics and Computer Science at the College of the Holy Cross invites applications for a full-time tenure-track Assistant Professor in computer science beginning August 2024. All research specialties will be considered. This position carries a 3-2 teaching load with a full-salary one-semester research leave prior to tenure review, and generous sabbatical and fellowship leaves for tenured faculty. Candidates must demonstrate excellence in scholarship and a commitment to effective undergraduate teaching in the context of a liberal arts college. A Ph.D. in computer science or closely related field is required by the beginning of the appointment.

The College of the Holy Cross uses Interfolio to collect job applications electronically. Please submit all application materials (cover letter, curriculum vitae, three confidential letters of recommendation, transcripts, statements on research, teaching, and the ways you might contribute to and further the College’s mission as a Jesuit, undergraduate liberal arts college and its core commitment to diversity and inclusion) to https://apply.interfolio.com/129369. The College, a highly selective Catholic liberal arts college in the Jesuit tradition, values dialogue among people from diverse perspectives as integral to the mission and essential to the excellence of our academic program. The College is an Equal Employment Opportunity Employer and complies with all Federal and Massachusetts laws concerning equal opportunity and affirmative action in the workplace. Application review will begin on October 16, 2023 and continue until the position has been filled.

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

Harvey Mudd College
Tenure-track Faculty Positions in Computer Science

The Computer Science Department at Harvey Mudd College (HMC) has multiple tenure-track openings for assistant professors commencing July 1, 2024. Candidates in all areas of computer science will be considered; candidates demonstrating interest and potential for teaching courses in computer systems, software development, theory, and computational biology are especially encouraged to apply. Review of applications will begin early in the fall semester and continue until the positions are filled.

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

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

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

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

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

Haverford College
Tenure-Track Assistant Professor of Computer Science

Haverford College invites applications for a tenure-track position as Assistant Professor in the Department of Computer Science, starting Fall semester 2024. A Ph.D. in Computer Science (or closely related field) should be completed by September 1, 2024. The area of scholarly expertise is open, with the successful candidate demonstrating evidence of research productivity, vision, and long-term impact. Teaching responsibilities include courses in our core introductory sequence, upper-level electives, and supervision of undergraduate research. This generally amounts to an annual load of three or four courses per year once laboratory sections and senior theses are considered.

Applications completed by October 6, 2023, will receive the fullest consideration.

To apply, see: https://apply.interfolio.com/128585

Iowa State University
Multiple Tenure-Track Faculty Positions

The Department of Computer at Iowa State University in Ames, Iowa, seeks outstanding applicants for three tenure-track faculty positions at the rank of Assistant Professor. We are looking for two candidates in all areas of Computer Science who expand our current research strengths in new areas to start on Jan 1, 2024. For the third faculty position, we are specifically looking for candidates in cybersecurity, classical and post-quantum cryptography to start on Aug 16, 2024.

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

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

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

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

Mount Holyoke College
Tenure-Track Faculty Position in Computer Science

The Mount Holyoke College Computer Science Department invites applications for a tenure-track faculty position at any rank, to begin in the fall of 2024. We are searching broadly for candidates with a strong commitment to excellence in teaching, a vibrant research program that can engage undergraduates, and a passion for working with a diverse population of students. Mount Holyoke’s teaching load is 4 courses per year. We welcome applications in all computer science and related fields, and particularly in systems, theory and data science. Completion of a Ph.D. in Computer Science or a related field is expected prior to or shortly after the date of hire.


Northwestern University
Open Rank Faculty, Management & Organizations

The Management and Organizations Department of the Kellogg School of Management at Northwestern University invites applications for tenure-track faculty positions. We are primarily interested in applications at the rank of Assistant Professor, but we will also consider outstanding candidates at the rank of Associate or Full Professor. Applicants should demonstrate an interest in topics relevant to management or organizations and provide evidence of outstanding research potential and an ability to enhance the department’s research and teaching portfolio. The department supports diverse approaches to research, grounded in psychology.
sociology, organizational behavior and theory, strategic management and computational social science. A PhD or equivalent degree must be in hand or expected by employment start date.

To apply, please submit the following: a brief cover letter, a current CV, a research statement, one to three publications or working papers, and three letters of recommendation.

For full consideration, all application materials must be received by September 29, 2023.

Apply online at https://facultyrecruiting.northwestern.edu/apply/MTg3Nw.

Northwestern University is an equal-opportunity employer.

Pomona College

Open-rank Professor of Computer Science

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

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

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

Reed College

Tenure-Track Faculty Position in Computer Science

Position Description

The Department of Computer Science at Reed College invites applications for an open rank tenure-track faculty position beginning in the fall of 2024. Applicants should have a Ph.D in computer science or a closely related field by the time of the appointment and should be committed to excellence in undergraduate teaching and in research. The successful applicant will teach in the core computer science curriculum at all levels, will develop one or more courses in the applicant’s area(s) of expertise, and will work to foster a welcoming and engaged community. They will maintain an active research program, ideally providing opportunities for student involvement, and will advise several year-long senior thesis projects.

Applicants from all areas of computer science are encouraged to apply.

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/
Professional Opportunities

Tennessee Tech University

**Director of the Cybersecurity Education, Research, and Outreach Center (CEROC)**

The Cybersecurity Education, Research, and Outreach Center (CEROC) at Tennessee Tech University seeks applicants for a center director to provide vision and leadership for the university and the state of Tennessee in cybersecurity education, research, and outreach.

With annual state appropriations providing baseline funding of $1M per year, CEROC serves as one of the leading cybersecurity resources for academic, government, and business institutions in the state of Tennessee. CEROC is unique in the state by emphasizing the integration of education, research, and outreach. The university is one of just 76 institutions in the nation offering the National Science Foundation’s CyberCorps®: Scholarship for Service. Additionally, CEROC offers the Department of Defense Cyber Scholarship Program placing it in an elite group of institutions offering both scholarships. CEROC works closely with a cohort of educators and researchers. The university offers multiple undergraduate and graduate programs emphasizing cybersecurity and research focus areas in AI in cyber, blockchain, cyber-physical systems security, network security, malware, secure software development, and security education and workforce development. CEROC also administers various outreach programs, including a virtual dual-enrollment Golden Eagle Cyber Certificate Program, Gen-Cyber Camps for high school students, and CEROC on Wheels mobile classroom experiences.

San Diego State University

**Department of Computer Science**

**Two Tenure-Track Assistant Professor Positions**

The Department of Computer Science at San Diego State University seeks to hire two tenure-track Assistant Professors starting fall 2024. The candidates should have PhD degrees in Computer Science or closely related fields.

The first position is in information and infrastructure (see [http://apply.interfolio.com/129017](http://apply.interfolio.com/129017)), and the second position is in cybersecurity (see [http://apply.interfolio.com/129034](http://apply.interfolio.com/129034)).

The anticipated salary range is from $100,000 to $107,000.

Questions about the two positions may be directed to **COS-CS-II-Security-Search@sdsu.edu**.

SDSU is an equal opportunity/Title IX employer.

Rutgers University

**Data Science Faculty Position**

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

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

For details about the position, information about the school, and to apply, visit [https://jobs.rutgers.edu/postings/205854](https://jobs.rutgers.edu/postings/205854).

Review of applications will begin October 15, 2023.

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

San Diego State University

**Department of Computer Science**

**Two Tenure-Track Assistant Professor Positions**

The Department of Computer Science at San Diego State University seeks to hire two tenure-track Assistant Professors starting fall 2024. The candidates should have PhD degrees in Computer Science or closely related fields.

The first position is in information and infrastructure (see [http://apply.interfolio.com/129017](http://apply.interfolio.com/129017)), and the second position is in cybersecurity (see [http://apply.interfolio.com/129034](http://apply.interfolio.com/129034)).

The anticipated salary range is from $100,000 to $107,000.

Questions about the two positions may be directed to **COS-CS-II-Security-Search@sdsu.edu**.

SDSU is an equal opportunity/Title IX employer.
At CEROC, our mission is not only to produce security-conscious students to enter the workforce but also to create a pipeline of cyber-defenders and researchers by educating them with a standard cybersecurity curriculum that integrates original research of our faculty.

The director is responsible for leading the growth and sustainability of academic cybersecurity initiatives, including the workforce development pipeline, as charged to CEROC by the state, and for growing cybersecurity research at Tennessee Tech. The director represents Tennessee Tech and Tennessee, as appropriate, in industry, state, and national forums in cybersecurity workforce development and research. The director supervises and leads in ensuring CEROC’s continued designation as a National Center of Academic Excellence in Cybersecurity (NCAE-C) in Cyber Defense Education (CD). The director also provides team leadership in developing cyber-related curricula and disciplines across the university and Tennessee. CEROC will occupy a brand-new facility in the Ashraf Islam Engineering Building, opening in April of 2024. This position reports to the Dean of the College of Engineering and will have tenure in the Department of Computer Science. Information about CEROC can be found here: https://www.tntech.edu/ceroc/

Job responsibilities include managing overall CEROC operations, including a state-appropriated center budget of over $1,000,000 and externally funded grants. The director is also responsible for increasing CEROC’s research and education stature and funding by developing and implementing strategies such as:

- leading university-wide efforts in cybersecurity, research, and education;
- developing strong external and internal partnerships that lead to funding for larger strategic initiatives, especially multi-million, multi-investigator, multi-disciplinary grants, and contracts;
- working with the Vice President for Research, the Associate Dean for Research, and other appropriate internal partners in interacting with funding agencies and other external constituents;
- working with CEROC Associate Directors to develop and coordinate programs to promote cybersecurity research, outreach, and teaching activities across the university and state through dual enrollment courses;
- meeting regularly with the CEROC Advisory Board for feedback and suggestions for improvement; and
- engaging with students through teaching and advising.

Additionally, the director is specifically tasked with maintaining current designations (e.g. NCAE-C CD), obtaining other designations consistent with CEROC’s strategic mission, and increasing cybersecurity-related enrollment in undergraduate and graduate programs in alignment with university and state objectives.

Applicants must have an earned Ph.D. from an accredited institution in computer science or a closely related field; qualify for a faculty appointment at the rank of associate professor or higher in Computer Science; ideally have a minimum of three years of administrative experience; have experience in supervising the research of graduate students through a Ph.D.; have a track record of externally-funded research and high-quality scholarly achievement; have a working knowledge of government and industrial funding sources; have a demonstrated ability to put together successful research teams and commitment to working collaboratively with people from a diverse range of disciplines and groups; and possess superior communication skills and strong interpersonal skills to work effectively with students, faculty, staff, and administrators of the university and external constituents.

Preference will be given to applicants who:

- qualify for a faculty appointment at the rank of professor in Computer Science;
- have a demonstrated knowledge of, and experience in, fiscal management and compliance with oversight of grants, contracts, and major research programs;
- have a track record of success as a leader of a department, college, or university-level initiative;
- have experience with NCAE-C CD designation and the CyberCorps SFS and/or Department of Defense Cyber Scholarship programs;
- have demonstrated experience in identifying funding opportunities, establishing priorities, and leading innovative strategic efforts critical to the success of the college’s research programs;
- have experience in planning, implementing, or sustaining...
Professional Opportunities

Tennessee Tech University enrolls approximately 10,000 students and is located in the city of Cookeville in picturesque Middle Tennessee. Cookeville is located among three of Tennessee’s largest cities and within minutes of multiple lakes and state parks; Cookeville offers the best of rural and urban living. The Computer Science Department is in the University’s College of Engineering. More information about the department can be found at the following link: https://www.tntech.edu/engineering/programs/csc/index.php

Tennessee Tech is an Equal Opportunity/Affirmative Action employer.

Applications will be reviewed beginning September 30, 2023. The official job posting can be found here: https://jobs.tntech.edu/postings/15042

University of Hawai‘i at Mānoa

Assistant/Associate Professor, AI/ML

The Department of Information and Computer Sciences at the University of Hawai‘i at Mānoa invites applications for a tenure-track Assistant Professor or Associate Professor position starting in the 2024-2025 academic year (possibility of starting in January 2024). We are seeking candidates in the area of Artificial Intelligence/Machine Learning, with emphasis on development of new models and applications. The hiring effort is associated with a National Science Foundation grant to fund research and capacity building in support of actionable climate science.

Applicants may learn more about the position and submit their applications electronically at: https://jobs.tntech.edu/postings/15042

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

Apply Now for the TRANSCEND Postdoctoral Cohort Fellowship Program at UC Davis

UC Davis is recruiting multiple postdoctoral scholars in translational data science to participate in DataLab’s 2-year TRANSCEND Postdoctoral Fellowship Program.

The intent of the TRANSCEND cohort program is to create a community of postdoctoral scholars in translational data science. Each of those fellows will be attached to a specific project(s) and mentors, and will participate in cohort training and leadership activities at the UC Davis DataLab. For this inaugural program, we are seeking motivated and enthusiastic postdoctoral fellows to conduct novel work and develop translational data science approaches for cardiology, radiology, public health, and epidemiology. Selected candidates will be joined by additional TRANSCEND postdocs working in information science, ocean health science, and potentially other domains for a cohort of at least 5 scholars.

All candidates must hold a PhD, MD, or MD/PhD in a field related to Science/Medicine or Data Science, i.e., either in Computer Science, Statistics, Machine Learning, Information Science, Health Informatics, etc., OR in an applied domain with a research background that contains a significant emphasis on quantitative approaches and skill sets, data analysis and high-level programming, and expertise in applying those skills in the biomedical or other scientific domain. Scholarly independence, the ability to manage scientific projects, and excellent written and oral communication are essential. Candidates must have the desire to work in collaborative cross-disciplinary research projects. Ability to be on-site 25+% of the time and to attend in person bi-weekly cohort meetings is expected.

Initial funded projects include:
1. Cardiology: Develop AI/data science algorithms for cardiovascular medicine to discover the molecular determinants of atrial fibrillation.
4. Epidemiology: Applying AI and other methods to provide near-real-time updates and optimization of risk rankings for viruses with the greatest risk to spillover to humans.

Initial application review will begin July 23, 2023.

For more details about the TRANSCEND postdoc cohort program, specific project mentors and qualifications, and how to apply, see the full announcement at https://apptkr.com/4401107.

Please direct questions to datalab-recruit@ucdavis.edu.
The University of Hawai‘i at Mānoa, a Carnegie RI research university and the flagship campus of the UH system, is a top-50 public university dedicated to providing world-class teaching, research, and service in a multicultural and inclusive environment.

The University of Hawaii
Postdoctoral Research Scholar

The Computational Epidemiology (CompEpi) group at the University of Hawaii is seeking applicants for a post-doctoral fellowship, ideally starting in Fall of 2023. The CS faculty in the CompEpi group include Bijaya Adhikari, Sriram V Pemmaraju, and Alberto M Segre and one or more of these faculty will serve as a mentor. This is a one-year position, but based on availability of funding and other factors, the fellowship may be extended.

The CompEpi group’s primary focus is on the use of computational techniques to understand, model, and mitigate healthcare-associated infections (HAIs) such as C. diff and MRSA infections. These infections are typically amplified in hospitals, nursing homes, outpatient clinics, etc. and can often be resistant to a wide spectrum of antibiotics.

A PhD or equivalent in Computer Science (CS) or related fields such as applied mathematics, statistics, or operations research is required. It is expected that the candidate will have expertise in one or more of the following areas: AI/ML, algorithms, discrete optimization, data mining, large-scale discrete-event simulations, mathematical modeling, and network science. A background in epidemiology or healthcare research would be desirable.

The salary will be in the range $62K-65K per year. Postdoctoral scholars are eligible for a number of University benefits and services, including health insurance: http://hr.uiowa.edu/benefits/postdoctoral-scholars-fellows. More information about this position can be found at https://jobs.uiowa.edu/postdoc/view/4060.

To apply, interested candidates should submit a CV, research statement, and names of 3 references to Sriram V Pemmaraju at sriram-pemmaraju@uiowa.edu.

The University of Hawaii is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, religion, national origin, age, sex, pregnancy (including childbirth and related conditions), disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, or associational preferences. The University also affirms its commitment to providing equal opportunities and equal access to University facilities. Women and Minorities are encouraged to apply for all employment vacancies. For additional information on nondiscrimination policies, contact the Coordinator of Title IX and Section 504, and the ADA in The Office of Institutional Equity, 319/335-0705 (voice) or 319/335-0697 (text), The University of Iowa, 202 Jessup Hall, Iowa City, Iowa, 52242-1316.

The 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, 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 network science. A background in epidemiology or healthcare research would be desirable.

The salary will be in the range $62K-65K per year. Postdoctoral scholars are eligible for a number of University benefits and services, including health insurance: http://hr.uiowa.edu/benefits/postdoctoral-scholars-fellows. More information about this position can be found at https://jobs.uiowa.edu/postdoc/view/4060.

To apply, interested candidates should submit a CV, research statement, and names of 3 references to Sriram V Pemmaraju at sriram-pemmaraju@uiowa.edu.

The University of Iowa is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, religion, national origin, age, sex, pregnancy (including childbirth and related conditions), disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, or associational preferences. The University also affirms its commitment to providing equal opportunities and equal access to University facilities. Women and Minorities are encouraged to apply for all employment vacancies. For additional information on nondiscrimination policies, contact the Coordinator of Title IX and Section 504, and the ADA in The Office of Institutional Equity, 319/335-0705 (voice) or 319/335-0697 (text), The University of Iowa, 202 Jessup Hall, Iowa City, Iowa, 52242-1316.
The School of Computer Science and Engineering (CSE), Faculty of Engineering in the University of New South Wales, Sydney invites applications for several convertible tenure track Lecturer / Senior Lecturer positions. We are looking for highly motivated Computer Science Academics to conduct independent research and deliver excellent teaching including but not limited to the areas below:

• Programming languages / theory of programming languages
• Distributed systems
• HCI, including game design, virtual and augmented reality
• Natural Language Processing

The School of Computer Science and Engineering (CSE) in the Faculty of Engineering at UNSW is one of the largest Schools of its kind in Australia, with the greatest impact on society through our academic excellence in teaching and research, leading to societal impact and translation. The School is the largest within the Faculty of Engineering, currently with over 4000 students and 68 academic staff, which is growing with an operating budget of over $20 million.

Our academic staff have research focus in broad themes including Artificial Intelligence, Computer Systems, Secure and Trustworthy Systems, Theoretical Computer Science, Data Science and Information Systems, and Humans and Machines. Research on developing cutting edge technology as well as human-centred computing is encouraged, with high emphasis on societal impact and translation.

UNSW Australia
Lecturer / Senior Lecturer in Computer Science (517983)

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CSE offers undergraduate programmes in Software Engineering, Computer Engineering, Computer Science, and Bioinformatics, a number of combined degrees with other disciplines as well as postgraduate degrees in Information Technology. CSE attracts excellent students who have an outstanding record in international competitions. People join CSE for the opportunity to work with top-tier students and to join a community of scholars who support them in achieving their full potential. CSE attracts the brightest students as we offer the most technically challenging computing degrees in Australia. The challenges we present ensure that our students reach their greatest potential and are ready to have a lasting impact on society.

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.

...
Our school is located in the heart of Sydney and is Australia’s largest centre for computationally driven business, design and culture. This vibrant nexus brings together a diversity of creative engineering and design forces, where world-leading education allows our thousands of students and researchers to become world-leading and world-building innovators. CSE students take an active role in the creation of a vibrant student experience, with many student societies, and are actively involved in teaching and learning opportunities within the school. For further information about the School, please visit - https://www.unsw.edu.au/engineering/our-schools/computer-science-and-engineering

Applications close: 11:55 pm (Sydney time) on Sunday 3rd September 2023

To apply click here

UNSW, Sydney Australia
Lecturer / Senior Lecturer in Computer Science (Education Focussed) (517981)

The School of Computer Science and Engineering (CSE), Faculty of Engineering in the University of New South Wales, Sydney invites applications for several convertible tenure track Lecturer / Senior Lecturer Education Focussed positions, including but not limited to the areas below:

- Introductory programming and computing education
- Introductory software engineering at scale

The purpose of these education focussed roles is to enable academics to specialise in delivering computing education, devoting their time to delivering high-quality teaching and pursuing initiatives to enhance the educational experience of our students. Those who are appointed to this prestigious specialisation will be expected to successfully drive educational excellence within the university’s teaching and learning communities.

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Applications close: 11:55 pm (Sydney time) on Sunday 3rd September 2023

To apply Click here

UNSW is committed to evolving a culture that embraces equity and supports a diverse and inclusive community where
Professional Opportunities

University of North Texas
Postdoctoral Research Associate

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

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

For full consideration, apply by 09/30/2023 Review of applications will begin 09/01/2023 and continue until the position is filled. Click the following link for details and apply: UNT CSE Postdoc

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

University of 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

everyone can participate fairly, in a safe and respectful environment. We welcome candidates from all backgrounds and encourage applications from people of diverse gender, sexual orientation, cultural and linguistic backgrounds, Aboriginal and Torres Strait Islander background, people with disability and those with caring and family responsibilities. UNSW provides workplace adjustments for people with disability, and access to flexible work options, including working from home, for eligible staff. UNSW provides 26 weeks of fully paid maternity or primary carers leave upon commencement of employment (subject to eligibility). UNSW is committed to enhancing the experience of ECAs by providing a supportive and collegial work environment and a dedicated framework to deliver support services to assist their research, teaching, and career development. The University reserves the right not to proceed with any appointment.